

ACADEMIC PROGRAMS

Concurrent and Dual Degrees

Degrees	Administered by
JD/MBA	Sandra Day O'Connor College of Law/W. P. Carey School of Business
JD/MD	Sandra Day O'Connor College of Law/W. P. Carey School of Business
JD/MHSM*	Sandra Day O'Connor College of Law/W. P. Carey School of Business
JD/MS in Economics*	Sandra Day O'Connor College of Law/W. P. Carey School of Business
JD/PhD in Justice Studies	Sandra Day O'Connor College of Law/W. P. Carey School of Business
JD/PhD in Psychology	Sandra Day O'Connor College of Law/W. P. Carey School of Business
MAIS/MBA	W. P. Carey School of Business
MArch/MBA	School of Architecture and Landscape Architecture/W. P. Carey School of Business
MBA/Master of International Management	W. P. Carey School of Business/Carlos III University of Madrid (Spain); Graduate School of Business Administration (Peru); Graduate School of Commerce (France); and Monterrey Institute for Technical and Superior Studies, Mexico State Campus (Mexico)
MBA/MEng	W. P. Carey School of Business/Ira A. Fulton School of Engineering
MBA/MHSM	W. P. Carey School of Business
MBA/MSE in Electrical Engineering	W. P. Carey School of Business/Department of Electrical Engineering
MBA/MSE in Industrial Engineering	W. P. Carey School of Business/Department of Industrial Engineering
MBA/MS in Economics*	W. P. Carey School of Business
MBA/MS in Information Management	W. P. Carey School of Business
MBA/MTax	W. P. Carey School of Business
MPA/MSW	School of Public Affairs
MSE in Industrial Engineering/Master of International Management of Technology	Department of Industrial Engineering/Thunderbird-Garvin Center for Culture and Languages of International Management

* Applications for this program are not being accepted at this time.;
Please contact the department for more information.;

Source URL: http://catalog.asu.edu/concurrent_dual

Accelerated Bachelor's and Master's Programs

Degrees	Administered by
BSE/MS in Aerospace Engineering	Department of Mechanical and Aerospace Engineering
BS/MS in Biology	School of Life Sciences
BS in Computational Mathematical Sciences/MA in Mathematics	Department of Mathematics and Statistics
BS/MS in Computer Science	School of Computing and Informatics
BSE in Computer Systems Engineering/MS in Computer Science	School of Computing and Informatics
BSE/MS-MSE in Industrial Engineering	Department of Industrial Engineering
BA/MMC in Journalism and Mass Communication	Walter Cronkite School of Journalism and Mass Communication
BS/MA in Mathematics	Department of Mathematics and Statistics
BSE/MS in Mechanical Engineering	Department of Mechanical and Aerospace Engineering
BS in Parks & Recreation Management/MS in Recreation and Tourism	School of Community Resources & Development
BA/MA in Political Science	Department of Political Science
BS in Tourism Development & Management/MS in Recreation and Tourism	School of Community Resources & Development

Source URL: <http://catalog.asu.edu/accelerated>

GRADUATE PROGRAMS

Graduate Degrees and Certificates (Program Descriptions and Requirements)

APPLIED ARTS AND SCIENCES, SCHOOL OF

Applied Biological Sciences (MS) TSAPBIOSMS

SCHOOL OF APPLIED ARTS AND SCIENCES, POLY

Contact: <http://www.poly.asu.edu/saas/appliedbiologicalsciences/index.html> | appliedbiologicalsciences@asu.edu | 480/727-1444 | 0180

Official Degree Awarded: Applied Biological Sciences (MS)

Program Description: The MS in Applied Biological Sciences is designed to train students who are technically proficient in the laboratory and the field, who know the technical literature in their field of research, who are articulate in oral and written communication, and who understand the societal and policy implications of their work. The MS in Applied Biological Sciences degree is supported by faculty with backgrounds in ecological restoration, environmental biotechnology, environmental policy, plant systematics, urban horticulture and wildlife biology.

All students are required to complete a core of graduate courses, conduct a research project under the direction of a faculty member, and prepare and defend a research thesis.

Program Requirements:

Program of Study

A minimum of 30 semester hours of approved graduate coursework is required. All students are required to complete two seminars: ABS 591 in the spring semester and ABS 691 in the fall semester. All students also are expected to complete three semester hours of research and three semester hours of thesis. The remaining hours are chosen to support the student's educational objectives.

There are no foreign language requirements and no comprehensive examinations.

Thesis Requirements

A thesis is required.

Final Examinations

A final oral examination covering the thesis and related subject matter is required.

Admission Requirements: Applicants to the program are expected to meet the minimum requirements for admission to the Division of Graduate Studies. In addition, scores from the Graduate Record Examination (minimum score of 1080 Verbal and Quantitative combined) or Miller Analogies Test (minimum score 45) are required. Applicants are expected to have completed 18 semester hours in biological sciences and closely-related courses. Specific fields of study may have specific expectations regarding courses taken at the undergraduate level. Applicants not meeting these requirements may be considered for admission with deficiencies.

Submit the following separate application materials to:

Department of Applied Biological Sciences
College of Technology and Innovation
Arizona State University
7001 E. Williams Field Road
Mesa, AZ 85212-6032

1. a statement of intent (maximum 600 words) explaining (a) the applicant's interest in environmental resources, (b) the applicant's academic background, and (c) the applicant's educational objectives;
2. three letters of recommendation from references who are qualified to comment on the applicant's potential in the selected area of study; and
3. a résumé.

Application Deadlines

For fall enrollment, application materials are due in the Department of Applied Biological Sciences and the Division of Graduate Studies on March 15.

For spring enrollment, application materials are due in the Department of Applied Biological Sciences and the Division of Graduate Studies on October 15.

Selection Procedures and Notifications

Department faculty evaluate the applications and supporting materials, and recommend to the Division of Graduate Studies whether the applicant should be granted regular or provisional admission or if admission should be denied. If admission is provisional, the Division of Graduate Studies, in its letter of admission, specifies the provisions to be met to gain regular status. The school informs successful applicants of the procedures for enrollment.

Applied Psychology (Polytechnic Campus) (MS) ECAPSYCHMS

SCHOOL OF APPLIED ARTS AND SCIENCES, POLY

Contact: <http://www.poly.asu.edu/saas/appliedpsych/masters/> | SUTON 340 | 480/727-1177 | 0180

Official Degree Awarded: Applied Psychology (MS)

Program Description: The MS program provides professional degrees in human factors and industrial/organizational psychology for students wishing to pursue careers in these fields. Human factors is concerned with assuring the usability of products through design and testing. Industrial/organizational psychology looks at such issues as employee selection, compensation, leadership and job satisfaction. The MS program offers specialized training to complement the BS degree in Applied Psychology at the Polytechnic campus.

Program Requirements: The MS degree requires the completion of 30 semester hours with grades of "B" (3.00) or higher. Students have the option of doing a thesis or an applied project to develop and demonstrate professional knowledge and skills. Students who plan to go on to a doctoral program are encouraged to complete a thesis. Work on the thesis will continue for at least a calendar year under faculty supervision. The first three credits will be devoted to developing an idea and preparing a proposal for approval by a faculty committee. The next three credits will allow for preparing the details of research design and data collection for the thesis (materials, computer programs, experimental text beds, questionnaires, etc.). The final six credits will be devoted to collecting and analyzing data and writing and revising the thesis under the direction of the advisor. Students will defend the thesis in an oral exam. Students selecting the applied project option will, under the guidance of an advisor, allocate the 12 semester hours to a combination of research, practicum, project activities, and report writing appropriate to the goals of the student and the program and the availability of practicum or internship opportunities. In all cases, the project will culminate in a substantial written report followed by a comprehensive oral examination covering the project and other materials from required courses.

Admission Requirements: Applicants must submit the Graduate College online application.

Admission requirements include:

- A bachelor's degree from a recognized educational institution (minimum 3.00 GPA)
- GRE scores on the Verbal and Quantitative tests
- Three letters of recommendation
- A personal statement including background, interests, qualifications, and goals
- TOEFL scores for applicants who are not native English speakers

Exercise and Wellness (MS) ECEXERMS

SCHOOL OF APPLIED ARTS AND SCIENCES, POLY

Contact: <http://www.poly.asu.edu/saas/wellness/degree/masters/> | julie.rice@asu.edu | EAW 109 | 480/727-1945 | 0180

Official Degree Awarded: Exercise and Wellness (MS)

Program Description: The Department of Exercise and Wellness is committed to preparing outstanding scholars and professionals in the areas of strength and conditioning, fitness/wellness leadership as well as in health and wellness promotion. The Master's Degree in Exercise and Wellness offers unique opportunities for those interested in becoming scholarly professionals and contributors to public health through the delivery of effective exercise and wellness programs to all segments of society. Professionals in education, commercial fitness and wellness, worksite or corporate health promotion, and personal training who are interested in an advanced training in exercise and wellness, health promotion, or in physical activity and chronic disease should consider the program.

Program Requirements: Potential students must have a designated mentor in order to be accepted into the MS program. All applicants are required to complete a statement of interest describing their career goals and research/professional interests. A minimum of 30 semester hours of graduate courses are required to complete the MS degree. The student's program of study is separated into three course work areas: Research courses, exercise and wellness concentration courses and elective courses. The basic program of study includes 15 semester hours of research course work (research methods, research statistics, research seminar and thesis) and 15 semester hours of Exercise and Wellness concentration courses. The thesis is considered a final integrative experience of the Exercise and Wellness degree. It involves conducting research that is guided by a recognized research paradigm (e.g., scientific, interpretive) and producing a scholarly report of the process and results.

Admission Requirements: Applicants must submit the Graduate College online application. In addition to meeting the Graduate College requirements, all applicants for the MS degree program in Exercise and Wellness are required to submit scores from the Graduate Record Examination (GRE). International applicants whose native language is not English must also submit a Test of English as a Foreign Language (TOEFL) score. Admission to the MS degree program is based on a number of factors including: GPA, GRE scores, letters of recommendation, statement of career/research interests and the availability of a mentor with matching interests. Priority is given to applications completed by January 15. Students who do not have undergraduate credit for the basic courses required for a BS degree in Exercise and Wellness can be admitted with deficiencies. Deficiencies are determined upon admission and students will be provided with a list of courses that must be completed before graduation. These courses are not considered part of the graduate program of study.

Nutrition (Polytechnic Campus) (MS) ECHNUTMS

SCHOOL OF APPLIED ARTS AND SCIENCES, POLY

Contact: <http://www.poly.asu.edu/ecollege/nutrition/graduate/> | nutrition@asu.edu | Health Science Center | 480/727-1728 | 0180

Official Degree Awarded: Nutrition (MS)

Program Description: The Master of Science in Nutrition program at Arizona State University's Polytechnic campus is based on the scientific foundations of nutrition, but also prepares students with strong writing skills, computer literacy, interpretive expertise, problem-solving skills and research experiences. The MS degree requires the completion of a minimum of 30 semester hours and a thesis. Graduate students who are currently in good academic standing in the MS program in nutrition at ASU may elect to apply to the ASU Dietetic Internship once they have completed at least six graduate hours from the ASU Department of Nutrition.

The primary objective of the graduate program in nutrition is to provide advanced training in nutrition research. Graduate students are expected to develop competencies in research methods and in advanced practice knowledge relevant to their area of

study. The skills and knowledge acquired during the course of training should enable each student to develop professional competencies that can be applied to significant problems and issues within the field of nutrition/dietetics.

Program Requirements: The program of study must contain a minimum of 30 semester hours of approved graduate-level work, and a thesis is required. The following courses are required: research methods, NTR 500 and NTR 501 (six semester hours); statistics (three-six semester hours from EXW 501, EDP 552/554, STP 530/531/532/533, PSY 529/530 or other approved course); seminars* in Foods and Nutrition (six semester hours from NTR 521/523/525/527/529/598); thesis (six semester hours).

*Seminars reflect the changing nature of research and cover different subject areas each semester. Recent seminars include global nutrition, vegetarianism, public health, immunology, pediatric nutrition, energy balance and weight management, and sports nutrition.

Admission Requirements: Applicants must submit a Graduate College online application.

The following are prerequisites for admission into the MS in Nutrition program at the Polytechnic campus:

- General Nutrition for majors (such as NTR 241 at ASU)
- Microbiology with Lab (such as MIC 205 and 206 at ASU)
- Anatomy and Physiology I and II with Labs (such as BIO 201 and 202 at ASU)
- General Chemistry I and II with Labs (such as CHM 113 and 116 at ASU)
- Organic Chemistry with Lab (one semester only is required, such as CHM 231 and 235 lab at ASU)
- Biochemistry (one semester only is required, such as BCH 361 and 367 lab at ASU)
- Statistics (any statistics course)

Physical Activity, Nutrition, and Wellness (PhD) ECNUTRIPHD

SCHOOL OF APPLIED ARTS AND SCIENCES, POLY

Contact: <http://www.poly.asu.edu/saas/wellness/degree/doctorate/> | julie.rice@asu.edu | EAW 109 | 480/727-1945 | 0180

Official Degree Awarded: Physical Activity, Nutrition and Wellness (PhD)

Program Description: The Executive Committee of the Physical Activity, Nutrition and Wellness program offers an interdisciplinary graduate program leading to the PhD degree in Physical Activity, Nutrition and Wellness (PANW). The PhD degree in PANW is an individualized interdisciplinary program that integrates graduate courses from several academic units to provide a sound foundation for research leading to a dissertation. One of the unique features of this interdisciplinary program is that a student may tailor a course of study to fit individual needs and goals within two main focus areas: physical activity and nutrition. The program focuses on issues that contribute to health through the reduction of disease risk, quality of life promotion, and enhancement of well-being. While many healthy lifestyles are studied, the emphasis is on physically active living and sound nutrition. The PANW doctoral program prepares research scholars, teachers, and professionals who study physical activity, nutrition, healthy lifestyles, and health promotion. The program will prepare graduates for careers in higher education, governmental agencies, and health-related positions in private industry. The Interdisciplinary PhD program requires residency and three years of full-time study after the master's degree. Students will be actively involved in research at all stages of their doctoral study through their participation in research internships, independent research experiences, seminars and colloquia, and dissertation research.

Program Requirements: This program requires a total of 97 semester hours of course work, a dissertation, and written and oral comprehensive examinations. The program of study (POS) in the PANW program consists of a minimum of 68 semester hours over the MS degree distributed across five areas of study: Professional development (five hours), research core (26 hours), cognate (12 hours), concentration (12 hours) and dissertation (12 hours). It is expected that nine of the 12 semester hours in the concentration will be in a focused content area within the concentration. No more than six semester hours in the concentration can be taken from outside the PANW program without approval of the PANW executive committee. An individual POS is selected in consultation with the student's supervisory committee. It is expected that students admitted to the PhD program will have a strong foundation in either physical activity or nutrition. Individuals lacking background in these areas will be required to make up deficiencies before admission. It is also expected that all students will enter the program with at least one graduate-level statistics course and a basic research methods course. Other requirements may be necessary depending on the area of study and will be determined by the mentor and executive committee.

It is expected that students will spend three years in full-time residence. The intent is to involve and embed the student in ongoing research as well as class study. Thus, all PhD students are to be full-time students and hold part-time appointments (50 percent time - 20 hours per week) -- as a teaching assistant (TA) or research assistant (RA). As such, to be accepted into the program, funding must be available and you must have the expertise, experience and willingness to teach courses in the EXW or Nutrition undergraduate curriculum, or be a research assistant and conduct research with your mentor as funding allows.

Admission Requirements: Applicants must submit the Graduate College online application. In addition to meeting Graduate College requirements, students must submit a letter of intent designating the name of a potential mentor (from a list of approved faculty mentors) and a statement of career goals to the chair of the PANW executive committee. Graduate Record Examination (GRE) scores (verbal, quantitative and writing), a six to ten page writing sample, a professional résumé, and three letters of recommendation must also be submitted. Additionally, all students must submit an application for a teaching/research assistantship. Applicants whose native language is not English must submit a Test of English as a Foreign Language (TOEFL) score. Applicants must have successfully received a master's degree prior to admission to the PhD program and it is preferable that they have completed a data-based research thesis. Admission decisions are based on the compatibility of the applicant's research interests and career goals with the purpose of the degree program, previous academic training and GPA, GRE scores, recommendations, and match of research interests with those of available mentors. First priority will be given to completed applications received by January 15.

ARTS, KATHERINE K. HERBERGER COLLEGE OF THE

Art - Digital Technology (MFA) FADIGITMFA

KATHERINE K. HERBERGER COLLEGE OF THE ARTS, TEMPE

Contact: <http://art.asu.edu> | vicki.kelley@asu.edu | Art Building 121 | 4809656303 | 1505

Official Degree Awarded: Art (Digital Technology) (MFA)

Program Description: The MFA in Digital Technology is offered by the School of Art in collaboration with the Arts, Media and Engineering program. It is a hybrid degree that combines technological and artistic goals, and requires students with skills and experience in both realms. Applicants will be required to demonstrate accomplishment in both art and technology, particularly in having developed new digital technology for the arts. Course work will be required in both the School of Art and AME. In this field, the School of Art offers graduate level courses in digital audio, video, photography, animation, compositing and rapid prototyping.

Program Requirements: A minimum of 60 semester hours of graduate credit subject to committee approval is required, including

1. 27 to 32 graduate studio semester hours in the major area(s) of concentration (with the exception of digital technology where 18 semester hours are ART classes and 18 semester hours are AME classes),
2. six semester hours of graduate-level art history and three semester hours of other interdisciplinary graduate credit to supplement MFA work (nonstudio courses), except for digital technology, which requires six semester hours of ARS,
3. nine semester hours of graduate-level course work outside of the major area of concentration, of which three semester hours must begin with the ART prefix and the remaining six semester hours may be outside the School of Art (except for digital technology, which requires nine semester hours of electives in the School of Art and Arts Media and Engineering), and
4. 10 to 15 hours of ART 680 Practicum, resulting in an MFA exhibition (except digital technology, where six hours will be ART 600 and six hours will be AME593).

Admission Requirements: A bachelor's degree from a college or university recognized by ASU is required. All students applying for the MFA degree must submit to the graduate coordinator a portfolio of images of their work on a CD-ROM disk containing 20 JPEG files (1000 pixels in the long dimension) or 20 images assembled as a PowerPoint presentation. If appropriate, a DVD is also acceptable. Three letters of recommendation, a current curriculum vitae and a statement of intent pertaining to the students educational objectives are also required. Applications for the digital technology concentration program must also include a

statement and evidence of work demonstrating digital technology skills beyond end user applications, as well as an art and digital technology resume.

Art Education (MA) FAARTEDMA

KATHERINE K. HERBERGER COLLEGE OF THE ARTS, TEMPE

Contact: <http://art.asu.edu> | vicki.kelley@asu.edu | Art Building 121 | 4809656303 | 1505

Official Degree Awarded: Art (Art Education) (MA)

Program Description: The faculty in the School of Art offer a program with a major in Art leading to the MA degree with concentrations in art education and art history. Students admitted to the Master of Education degree program with a major in Secondary Education may also elect art as the subject matter field.

Program Requirements: The degree program requires a minimum of 30 semester hours of credit in art education, including 18 hours of core courses, six hours of special topics on research related to integrating the teaching of studio art, art history, and criticism or aesthetics, and six hours of research and thesis.

To meet the core requirements, students must take the following core courses:

- ARE 510 Visual Culture Research (3)
- ARE 520 Issues in Teaching Inquiry in Art (3)
- ARE 525 Research on Art Instruction (3)
- ARE 530 Issues in Teaching Studio Art (3)
- ARE 535 Research on Teaching Studio Art (3)
- ARE 540 Teaching Art in Cultural Contexts (3)

Before the end of the first semester of course work (six or more semester hours), a program of study must be submitted to the Graduate College. Additional program requirements are indicated in the MA in Art Education Guidelines.

Admission Requirements: An applicant must have a bachelor's degree from a regionally accredited college or university with a major of not less than 45 semester hours of art, including 12 hours of art history and six hours of art education. Additional hours may be required by the school.

An applicant must have a GPA of at least 3.00 in undergraduate course work during the junior and senior years. Applicants who do not meet these requirements must submit scores from the Miller Analogies Test or the Graduate Record Examination. Applicants should submit a formal art education research paper for review. Applications are accepted throughout the year.

Art History (MA) FAARTHISMA

KATHERINE K. HERBERGER COLLEGE OF THE ARTS, TEMPE

Contact: <http://art.asu.edu> | vicki.kelley@asu.edu | Art Building 121 | 4809656303 | 1505

Official Degree Awarded: Art History (MA)

Program Description: The faculty in the School of Art offer a program with a major in Art leading to the MA degree with concentrations in art education and art history.

Program Requirements: The degree program requires 30 semester hours of credit, including a minimum of 21 hours in art history, with at least 12 of these earned in 500-level seminars. At least one course must be taken in each of the four core areas: non-Western, ancient/medieval, renaissance/baroque, and modern. Satisfactory completion of ARS 501 Methodologies and Art History is required during the first semester of residence. The remaining hours include ARS 599 Thesis, approved electives, and other courses specified by the faculty.

Admission Requirements: An applicant must have a bachelor's degree from a regionally accredited university with an undergraduate major or minor in art history, or at least four upper-division art history courses, in which an average GPA of 3.00 or higher was maintained. Graduate Record Examination (aptitude test) scores must be submitted in support of the application,

along with three letters of recommendation. Applicants should submit one formal research paper for review and a one-page statement of intent indicating their objectives for graduate study. The application deadline is January 15.

Ceramics (MFA) FACERAMMFA

KATHERINE K. HERBERGER COLLEGE OF THE ARTS, TEMPE

Contact: <http://art.asu.edu> | vicki.kelley@asu.edu | Art Building 121 | 4809656303 | 1505

Official Degree Awarded: Art (Ceramics) (MFA)

Program Description: World-renowned faculty strive to ensure that graduates learn the techniques and concepts that will enable their work to take any direction they wish. A strong guest artist schedule enhances the program. Artists come from the world over, including Thailand, China, Australia and Turkey. The recent addition of the nationally important Ceramics Research Center at the ASU Art Museum, with its collection of more than 3,000 pieces, provides unparalleled opportunities to study and research ceramics.

Program Requirements: A minimum of 60 semester hours of graduate credit subject to committee approval is required, including:

1. 27 to 32 graduate studio semester hours in the major area(s) of concentration (with the exception of digital technology where 18 semester hours are ART classes and 18 semester hours are AME classes),
2. six semester hours of graduate-level art history and three semester hours of other interdisciplinary graduate credit to supplement MFA work (nonstudio courses), except for digital technology, which requires six semester hours of ARS,
3. nine semester hours of graduate-level course work outside of the major area of concentration, of which three semester hours must begin with the ART prefix and the remaining six semester hours may be outside the School of Art (except for digital technology, which requires nine semester hours of electives in the School of Art and Arts Media and Engineering), and
4. 10 to 15 hours of ART 680 Practicum, resulting in an MFA exhibition (except for digital technology, where six hours will be ART 680 and six hours will be AME 593).

Admission Requirements: A bachelor's degree from a regionally accredited college or university recognized by ASU is required. All students applying for the MFA degree must submit to the graduate coordinator a portfolio of images of their work on a CD-ROM disk containing 20 JPEG files (1000 pixels in the long dimension) or 20 images assembled as a PowerPoint presentation. Three letters of recommendation, a current curriculum vitae and a statement of intent pertaining to the student's educational objectives are also required.

Conducting (DMA) FACONDDMA

KATHERINE K. HERBERGER COLLEGE OF THE ARTS, TEMPE

Contact: <http://music.asu.edu> | margie.vincent@asu.edu | Music E167 | 480/965-5069 | 0405

Official Degree Awarded: Music (Conducting) (DMA)

Program Description: The Doctor of Musical Arts (DMA) is a professional degree program designed for students desiring high levels of performance, academic proficiency, and preparation for teaching positions at the university level. The major is Music with four concentrations: conducting, music composition, music education, and performance (instrumental, keyboard, piano accompanying, piano pedagogy, voice).

Program Requirements: A total of 90 semester hours beyond the bachelor's degree is required. Only 30 hours from a master's degree or other postgraduate work will be counted toward the 90 hour requirement. Once admitted to a DMA degree program, the student is expected to be enrolled continuously, excluding summer sessions, until all requirements for the degree have been fulfilled. In general, the DMA degree student should expect to spend at least the equivalent of three academic years beyond the bachelor's degree in the program. At least two semesters following the first year (30 to 32 semester hours) of graduate study must be spent in continuous full-time residence at ASU. After the first year (30 to 32 semester hours), at least 54 hours must be completed in residence at ASU. The conducting concentration requires the completion of research paper(s)/project(s) in conjunction with performances (one of which must be a lecture-recital).

Admission Requirements: Students seeking admission normally hold the Master of Music degree. Applicants with other degrees are considered if they have received graduate training similar to that normally expected in a Master of Music degree program. The application for admission must be accompanied by an applicant's statement relating to goals, preparation, and educational background. The applicant must submit scores for the GRE (quantitative, verbal, and analytical) or the MAT. Three letters of recommendation are required. Applicants must supply a clear videotape of a rehearsal performance. Additional audiotapes may be submitted to reflect the applicant's ability to refine music in a performance setting. Once reviewed, an applicant may be asked for a live audition. The deadline is February 15 for teaching assistantship applications.

Dance (MFA) FADANCEMFA

KATHERINE K. HERBERGER COLLEGE OF THE ARTS, TEMPE

Contact: <http://dance.asu.edu/> | asudance@asu.edu | PEBE 170A | 4809655899 | 0304

Official Degree Awarded: Dance (MFA)

Program Description: The MFA program in dance at ASU is a highly flexible while offering a solid foundation in practical and theoretical course work. The department actively welcomes a diversity of applicants, including returning professionals, with experience and/or interest in choreography, dance science and somatics, dance and technology, community-based practice, educational and professional partnerships, and dance history, philosophy and criticism, and those whose approaches are interdisciplinary and/or cross-cultural in nature. The ASU Department of Dance seeks individuals who are self-motivated, have clear and demonstrated objectives, and are willing to explore new possibilities in the field of dance and beyond.

Program Requirements: The MFA program in Dance requires 60 credit hours. Incoming students are encouraged to take foundational course work, which has been designed to be a broad and fundamental preparation for future careers in independent artistic practice, professional dance companies, higher education, community colleges, high schools, private studios, the wellness industry, technology and community partnerships (among others). In addition to the foundational course work, approximately 18 credit hours are available to pursue a specialization of interest. The MFA project in dance, worth eight credits, serves as the capstone experience in the graduate dance curriculum. Students have the opportunity to select the format and structure of their project in conjunction with their MFA committee. Conceived as a bridge to career, the project should take into consideration the future goals of the student. Flexibility in program design is strongly encouraged. The department recognizes and encourages individual strengths and professional experience that may strongly affect the student's choice of course work. Petitioning out of specific classes in which the MFA candidate has expertise is acceptable upon review by the department chair. The committee will also consider a completely unique program of study. The MFA project, which may involve producing original choreography, presenting a lecture demonstration on a body of research, or presenting another form of original work, acts as the culminating experience of the program. A final written thesis, reflective in nature, as well as an oral defense complete the process. The Graduate College has approved a maximum time limit of seven years to complete the MFA in Dance.

Admission Requirements: To apply for admission to the MFA degree program in Dance, a student must complete an application form and supply official copies of all transcripts from previous institutions to the Graduate College. The Department of Dance requires a current résumé, three letters of reference, and a DVD of work made by the student within the last three years and/or a portfolio of relevant work in a chosen area(s) of expertise. Included with these materials should be a statement of intent regarding program of study (300-600 words) and its relationship to the core values of the department. MFA interviews are required and are generally held in January. At the department interview, the applicant participates in an unfamiliar technique class, presents a solo work of up to five minutes (this work must have been choreographed by the student), shows an improvisation based on a given task, and has a 20-minute dialogue with a member of the department. A petition may be submitted to the department chair for exception to the above process.

In the case of interview by DVD the above requirements remain as indicated. The interview will be conducted by phone with the department chair and members of the faculty. It is highly recommended that anyone considering enrolling at ASU come to the campus during the regularly scheduled interview time. Because the number of graduate openings is limited, it is important that the particular strengths of the department and the specific needs and wants of the student be matched accordingly.

Dance - Interdisciplinary Digital Media and Performance (MFA) FADANDIMFA

KATHERINE K. HERBERGER COLLEGE OF THE ARTS, TEMPE

Contact: <http://dance.asu.edu/> | asudance@asu.edu | PEBE 170A | 4809655899 | 0304

Official Degree Awarded: Dance (Interdisciplinary Digital Media and Performance) (MFA)

Program Description: The concentration in Interdisciplinary Digital Media and Performance (IDMP) expands on the strength of the Department of Dance in the specific area of interactive arts, and provides a highly select group of graduate students with a more rigorous, in-depth, and fully supported opportunity to specialize in dance and interdisciplinary digital arts. The interdisciplinary classes and research activities of the transdisciplinary Arts, Media and Engineering Program (AME) that form part of this concentration give students access to the high-end media technology studios of AME, to project funding and to interdisciplinary collaborators.

The MFA project, which may involve producing original choreography, presenting a lecture demonstration on a body of research, or another form of original work, acts as the culminating experience of the program. A final written thesis, reflective in nature, as well as an oral defense complete the process.

Program Requirements: The degree requires 60 credit hours and normally involves three years of residency. There is an interview for admission into the program, on-going showings of work, 18 credit hours of required coursework in the concentration taught by AME, 19 required credit hours in the Department of Dance, 15 credits of electives, a final MFA Project (eight credits), a written document and an oral defense. The current MFA in dance is a 60 credit-hour-degree program, normally accomplished during three years of residency in the department. Foundational coursework is offered in areas of technique, choreography, theory, education, professional development and technology. Ongoing showings of choreography and/or other creative work are required.

Students enrolled in the IDMP specialize in areas related to AME research. The MFA project, which may involve producing original choreography, presenting a lecture demonstration on a body of research, or another form of original work, acts as the culminating experience of the program. A final written thesis, reflective in nature, as well as an oral defense complete the process.

Admission Requirements: To apply for admission to the MFA degree program in Dance, a student must complete an application form and supply official copies of all transcripts from previous institutions to the Graduate College. The Department of Dance requires a current résumé, three letters of reference, and a DVD of work made by the student within the last three years and/or a portfolio of relevant work in a chosen area(s) of expertise. Included with these materials should be a statement of intent regarding program of study (300-600 words) and its relationship to the core values of the department. MFA interviews are required and are generally held in January. At the department interview, the applicant participates in an unfamiliar technique class, presents a solo work of up to five minutes (this work must have been choreographed by the student), shows an improvisation based on a given task, and has a 20-minute dialogue with a member of the department. A petition may be submitted to the department chair for exception to the above process.

In the case of interview by DVD the above requirements remain as indicated. The interview will be conducted by phone with the department chair and members of the faculty. It is highly recommended that anyone considering enrolling at ASU come to the campus during the regularly scheduled interview time. Because the number of graduate openings is limited, it is important that the particular strengths of the department and the specific needs and wants of the student be matched accordingly.

Drawing (MFA) FADRAWMFA

KATHERINE K. HERBERGER COLLEGE OF THE ARTS, TEMPE

Contact: <http://art.asu.edu/> | vicki.kelley@asu.edu | Art Building 121 | 4809656303 | 1505

Official Degree Awarded: Art (Drawing) (MFA)

Program Description: Faculty assist students in both artistic and professional development, teaching about portfolio development, photographing artwork, acquiring a gallery affiliation, different types of exhibition venues available and preparation for graduate school. Top students are chosen for the Senior Honors Studio Award, which provides six seniors each year with their own, semi-private studio space with 24-hour access. Exhibition opportunities are available in the School of Art's

student galleries. Students in the drawing program also have the opportunity to experience another country and culture while taking courses at the school's summer program in Florence, Italy.

Program Requirements: A minimum of 60 semester hours of graduate credit subject to committee approval is required, including:

1. from 27 to 32 graduate studio semester hours in the major area(s) of concentration (with the exception of digital technology where 18 semester hours are ART classes and 18 semester hours are AME classes),
2. six semester hours of graduate-level art history and three semester hours of other interdisciplinary graduate credit to supplement MFA work (nonstudio courses), except for digital technology, which requires six semester hours of ARS,
3. nine semester hours of graduate-level course work outside of the major area of concentration, of which three semester hours must begin with the ART prefix and the remaining six semester hours may be outside the School of Art (except for digital technology, which requires nine semester hours of electives in the School of Art and Arts Media and Engineering), and
4. 10 to 15 hours of ART 680 Practicum, resulting in an MFA exhibition (except for digital technology, where six hours will be ART 680 and six hours will be AME 593).

Admission Requirements: A bachelor's degree from a regionally accredited college or university recognized by ASU is required. All students applying for the MFA degree must submit to the graduate coordinator a portfolio of images of their work on a CD-ROM disk containing 20 JPEG files (1000 pixels in the long dimension) or 20 images assembled as a PowerPoint presentation. Three letters of recommendation, a current curriculum vitae and a statement of intent pertaining to the student's educational objectives are also required.

Ethnomusicology (MA) FAETHNMA

KATHERINE K. HERBERGER COLLEGE OF THE ARTS, TEMPE

Contact: <http://music.asu.edu> | margie.vincent@asu.edu | Music E177 | 480/965-5069 | 0405

Official Degree Awarded: Music (Ethnomusicology) (MA)

Program Description: The School of Music in the Katherine K. Herberger College of the Arts at ASU is an accredited institutional member of the National Association of Schools of Music. The School of Music is committed to the growth and development of both faculty and students in order that music may be created, performed, studied, and taught with excellence. The faculty in the School of Music offer graduate programs leading to the MA degree in Music with a concentration in ethnomusicology.

Program Requirements: A minimum of 30 semester hours of graduate credit is required, of which at least 20 semester hours must be in the field of ethnomusicology or related fields, including six semester hours of thesis and five or six semester hours in music theory.

Admission Requirements: In addition to the ASU Graduate College requirements and a School of Music application form, interested students must submit:

1. Evidence of scholarly achievement or potential (e.g., a term paper).
2. Letters of recommendation from two qualified persons in the field.
3. A one- to two-page personal statement explaining the relationship between the student's professional and/or personal goals and admission into the MA program.

Fibers (MFA) FAFIBERMFA

KATHERINE K. HERBERGER COLLEGE OF THE ARTS, TEMPE

Contact: <http://art.asu.edu> | vicki.kelley@asu.edu | Art Building 121 | 480/9656303 | 1505

Official Degree Awarded: Art (Fibers) (MFA)

Program Description: The curriculum incorporates training in everything from weaving, felt-making, embroidery and 3-D structures, to numerous methods of painting and printing on fabric, including cyanotype and photo-silkscreen techniques.

Graduates enter some of the country's top graduate programs, go on to attend fashion schools, and often obtain assistantships and internships at well-known schools.

Program Requirements: A minimum of 60 to 63 semester hours of graduate credit subject to committee approval is required, including:

1. 27 to 32 graduate studio semester hours in the major area(s) of concentration (with the exception of digital technology where 18 semester hours are ART classes and 18 semester hours are AME classes),
2. six semester hours of graduate-level art history and three semester hours of other interdisciplinary graduate credit to supplement MFA work (nonstudio courses), except for digital technology, which requires six semester hours of ARS,
3. nine semester hours of graduate-level course work outside of the major area of concentration, of which three semester hours must begin with the ART prefix and the remaining six semester hours may be outside the School of Art (except for digital technology, which requires nine semester hours of electives in the School of Art and Arts Media and Engineering), and
4. 10 to 15 hours of ART 680 Practicum, resulting in an MFA exhibition (except for digital technology, where six hours will be ART 680 and six hours will be AME 593).

Admission Requirements: A bachelor's degree from a regionally accredited college or university recognized by ASU is required. All students applying for the MFA degree must submit to the graduate coordinator a portfolio of images of their work on a CD-ROM disk containing 20 JPEG files (1000 pixels in the long dimension) or 20 images assembled as a PowerPoint presentation. Three letters of recommendation, a current curriculum vitae and a statement of intent pertaining to the student's educational objectives are also required.

History and Theory of Art (PhD) FAHIARTPHD

KATHERINE K. HERBERGER COLLEGE OF THE ARTS, TEMPE

Contact: <http://art.asu.edu> | vicki.kelley@asu.edu | Art Building 121 | 4809656303 | 1505

Official Degree Awarded: History and Theory of Art (PhD)

Program Description: The PhD in the History and Theory of Art is a collaborative program with the University of Arizona in Tucson. The emphasis is on interdisciplinary methodologies and electronic technologies to prepare students for teaching and museum careers.

Program Requirements: The PhD degree requires 60 semester hours beyond the M.A. or 90 beyond the B.A. The 42 credits of PhD course work include 12 credits in the major area of emphasis, nine credits in a minor area within art history, six interdisciplinary credits (courses outside of Art History), six hours of Ph.D. core courses (ARS 691 - Methodologies and ARS 692 - Technologies) and nine credits of electives. The remaining 18 credits are dissertation (ARS 799). A student may elect to have a second minor in an area outside art history. In this joint program all Ph.D. students are required to take courses by faculty at both Arizona State University and the University of Arizona.

Admission Requirements: The complete application required submissions to both the Arizona State University Graduate College and the School of Art. To the Graduate Admissions Office the applicant must submit: the application form, application fee, official notice of GRE scores (within last five years), official transcripts, and any other materials requested by the Graduate College. To the Art History Graduate Advisor, School of Art the following must be sent: a statement of intent regarding graduate study, the M.A. thesis and/or a scholarly research paper, any request for assistantships and tuition scholarships, and three academic letters of recommendation (to be sent directly by referees). The postmark deadline for complete applications for admission beginning in the following spring semester is October 15; for the following fall semester it is January 15. Students entering in the spring will have few or no opportunities for fellowship or assistantship support the first semester.

Intermedia (MFA) FAMEDIAMFA

KATHERINE K. HERBERGER COLLEGE OF THE ARTS, TEMPE

Contact: <http://art.asu.edu> | vicki.kelley@asu.edu | Art Building 121 | 4809656303 | 1505

Official Degree Awarded: Art (Intermedia) (MFA)

Program Description: The MFA in Digital Technology is offered by the School of Art in collaboration with the Arts, Media and Engineering program. It is a hybrid degree that combines technological and artistic goals, and requires students with skills and experience in both realms. Applicants will be required to demonstrate accomplishment in both art and technology, particularly in having developed new digital technology for the arts. Coursework will be required in both the School of Art and AME. In this field, the School of Art offers graduate level courses in digital audio, video, photography, animation, compositing and rapid prototyping.

Program Requirements: A minimum of 60 semester hours of graduate credit subject to committee approval is required, including:

1. 27 to 32 graduate studio semester hours in the major area(s) of concentration (with the exception of digital technology where 18 semester hours are ART classes and 18 semester hours are AME classes),
2. six semester hours of graduate-level art history and three semester hours of other interdisciplinary graduate credit to supplement MFA work (nonstudio courses), except for digital technology, which requires six semester hours of ARS,
3. nine semester hours of graduate-level course work outside of the major area of concentration, of which three semester hours must begin with the ART prefix and the remaining six semester hours may be outside the School of Art (except for digital technology, which requires nine semester hours of electives in the School of Art and Arts Media and Engineering), and
4. 10 to 15 hours of ART 680 Practicum, resulting in an MFA exhibition (except for digital technology, where six hours will be ART 680 and six hours will be AME 593).

Admission Requirements: A bachelor's degree from a college or university recognized by ASU is required. All students applying for the MFA degree must submit to the graduate coordinator a portfolio of images of their work on a CD-ROM disk containing 20 JPEG files (1000 pixels in the long dimension) or 20 images assembled as a PowerPoint presentation. If appropriate, a DVD is also acceptable. Three letters of recommendation, a current curriculum vitae and a statement of intent pertaining to the student's educational objectives are also required. Applications for the digital technology concentration program must also include a statement and evidence of work demonstrating digital technology skills beyond end user applications, as well as an art and digital technology resume.

Jazz Studies (MM) FAJAZZMM

KATHERINE K. HERBERGER COLLEGE OF THE ARTS, TEMPE

Contact: <http://music.asu.edu> | margie.vincent@asu.edu | Music E167 | 480/965-3371 | 0405

Official Degree Awarded: Music Education (Jazz Studies) (MM)

Program Description: The faculty in the School of Music offer a graduate program leading to the professional MM degree. For the Music Education major, concentrations are available in

1. choral music,
2. general music,
3. instrumental music, and
4. jazz studies.

Program Requirements: The student must complete a minimum of 32 semester hours of graduate courses, of which at least one-third must be in the area of concentration. Jazz Studies:

MUE 548, 549, 550 (or 579), 560, 562 (two semesters); MUP 509, 510, 517, 518, three semester hours of jazz ensemble; six semester hours of music history; five or six hours of music theory (including MTC 598 Jazz Theory and Ear Training).

Admission Requirements: For admission to the MM degree in Music Education, the applicant must have completed all requirements for music teacher certification. Post baccalaureate certification is available and may be completed concurrently with master's degree work. Letters of recommendation from three qualified persons in the field are also required. A video or audio tape of a recent jazz performance (solo or ensemble) by the applicant must be submitted, and a video or audio tape of a jazz ensemble directed by the applicant should also be submitted if available.

Media Arts and Sciences (PhD) FAMASPHD

KATHERINE K. HERBERGER COLLEGE OF THE ARTS, AND

IRA A. FULTON SCHOOL OF ENGINEERING, TEMPE

Contact: <http://ame.asu.edu> | ameed@asu.edu | Brickyard 395 | 4809659168 | 8709

Official Degree Awarded: Media Arts and Sciences (PhD)

Program Description: Media Art and Sciences PhD students train in translating, transporting and combining knowledge across disciplines for the development of innovative experiential media systems and accompanying theoretical models. The degree structure includes transdisciplinary media courses through AME, elective-course credits relating to the student's research interests and substantial research and dissertation hours devoted to collaborative research within the AME network. Active participation in AME interdisciplinary research teams allows MAS Ph.D. students to gain and contribute expertise in knowledge fusion for digital media.

Program Requirements: The program requires a total of 84 semester credits. Thirty of the 39 required course credits will be from the transdisciplinary media courses offered by AME. All students will be required to take at least two courses under each of the five constituting areas of experiential media (30 hours). The selection of the two courses under the introductory category will depend on the student's entrance competencies (for example, students with an engineering background might be asked to take the history of media arts course and the media theory course). With the approval of the student's advisor, up to one of the required ten AME courses (three credit hours) can be substituted by another graduate level course offered by a collaborating department. One more of the required courses (three credit hours) can be substituted by an independent study course (AME 790), again with the approval of the advisor. The nine hours of elective credit can be from any graduate level courses offered at ASU. The selection of the courses will relate to the student's research interests and will require the approval of the student's advisor.

Admission Requirements: Applicants will be required to submit an official ASU graduate application through the Graduate College (<http://www.asu.edu/graduate/admissions>), official transcripts of all undergraduate and graduate coursework (if applicable), official GRE scores, a curriculum vitae, statement of purpose, three letters of recommendation and a portfolio of supporting material. Each applicant must demonstrate entry-level competencies. This can be demonstrated primarily through a portfolio. The portfolio may include previously developed media products or projects and/or publications demonstrating an understanding of and involvement with digital media and computation. Entry level competency can also be partially demonstrated through coursework and may include such courses as: media Authoring Tools, Computer Music, Computer Graphics and Animation, media Theory, Film Theory, Multimedia Systems, Interactive Technologies, Signal Processing, Digital Design, Advanced Computer Programming courses. Additionally, the statement of purpose must show an understanding of current issues in digital media and computation, detail the applicant's qualifications and experience relating to digital media and computation and explicate how this background has prepared them for the degree. The statement must also show an understanding of the transdisciplinary nature of the degree and provide well-supported reasons (career and educational goals) for wanting to pursue transdisciplinary study in experiential media.

Metals (MFA) FAMETALSMF

KATHERINE K. HERBERGER COLLEGE OF THE ARTS, TEMPE

Contact: <http://art.asu.edu> | vicki.kelley@asu.edu | Art Building 121 | 4809656303 | 1505

Official Degree Awarded: Art (Metals) (MFA)

Program Description: The metals and jewelry program boasts an extraordinarily well-equipped studio, with a huge variety of metal-smithing tools. Students are required to take more class hours and learn more skills than at many other schools.

Many students take advantage of the close relationship with the school's sculpture and foundry programs. Students also have the opportunity to learn important business skills through the entrepreneurship program offered at ASU's W. P. Carey School of Business. Graduates find bench jobs with jewelers, become teachers or open their own businesses.

Program Requirements: A minimum of 60 semester hours of graduate credit subject to committee approval is required, including:

1. 27 to 32 graduate studio semester hours in the major area(s) of concentration,
2. six semester hours of graduate-level art history and three semester hours of other interdisciplinary graduate credit to supplement MFA work (nonstudio courses),
3. nine semester hours of graduate-level course work outside of the major area of concentration, of which three semester hours must begin with the ART prefix and the remaining six semester hours may be outside the School of Art , and
4. 10 to 15 hours of ART 680 Practicum, resulting in an MFA exhibition.

Admission Requirements: A bachelor's degree from a regionally accredited college or university recognized by ASU is required. All students applying for the MFA degree must submit to the graduate coordinator a portfolio of images of their work on a CD-ROM disk containing 20 JPEG files (1000 pixels in the long dimension) or 20 images assembled as a PowerPoint presentation. Three letters of recommendation, a current curriculum vitae and a statement of intent pertaining to the student's educational objectives are also required.

Music - Interdisciplinary Digital Media and Performance (DMA) FAINTDDMA

KATHERINE K. HERBERGER COLLEGE OF THE ARTS, TEMPE

Contact: <http://music.asu.edu> | margie.vincent@asu.edu | Music E177 | 480/965-5069 | 0405

Official Degree Awarded: Music (Interdisciplinary Digital Media and Performance) (DMA)

Program Description: The DMA degree concentration in interdisciplinary digital Media and performance trains students who have interests and skills in unique cross sections of the arts and sciences. The degree expands the School of Music's offerings to include areas, which hold great promise for individual student's professional aspirations. It also keeps the School of Music and its students actively involved in current developments in the ever-changing field of Media. The state of the art Media facilities of Arts, Media and Engineering (AME) and its hybrid arts-engineering faculty and courses will be an invaluable asset to music students, with resources that complement existing or future courses in electronic music.

Program Requirements: This degree program requires 90 semester hours, a dissertation, and written and oral examinations. The program requires 36 hours in arts, Media and engineering, 30 hours in music studies and 24 hours in research and dissertation.

Admission Requirements: Applicants must submit the Graduate College online application. Either a portfolio of works or a performance audition is required, as suits your area of expertise. Application materials should address the hybrid nature of the Arts, Media and Engineering Program.

Send the following items directly to AME, even if duplicates have been sent to the department:

- Statement of Purpose
- Curriculum Vitae

The Statement of Purpose must fulfill any requirements of the department and also address the transdisciplinary nature of the Arts, Media and Engineering Program. Applicants should explain in a concise and persuasive manner how their educational, professional and personal experiences inform their research and creative interests, writing on any aspect of their background that supports candidacy to the AME Program.

Music - Interdisciplinary Digital Media and Performance (MM) FADIGITMM

KATHERINE K. HERBERGER COLLEGE OF THE ARTS, TEMPE

Contact: <http://ame.asu.edu> | margie.vincent@asu.edu | 669 S. Mill Ave. Room 395 | 480/965-9438 | 0405

Official Degree Awarded: Composition (Interdisciplinary Digital Media and Performance) (MM)

Program Description: The concentration in interdisciplinary digital media and performance trains students who have interests and skills in unique cross sections of the arts and sciences. The degree expands the School of Music's offerings to include areas, which hold great promise for individual student's professional aspirations. It also keeps the School of Music and its students actively involved in current developments in the ever-changing field of media. The state of the art media facilities of Arts, Media and Engineering (AME) and its hybrid arts-engineering faculty and courses will be an invaluable asset to music students, with resources that complement existing or future courses in electronic music.

Program Requirements: The program requires 36 semester hours in Arts, Media and Engineering, 30 hours in Music Studies and 24 hours in Research and Dissertation.

Admission Requirements: Either a portfolio of works or a performance audition is required, as suits your area of expertise. Application materials should address the hybrid nature of the Arts, Media and Engineering (AME) Program.

Send the following items directly to AME, even if duplicates have been sent to the department:

- Statement of Purpose
- Curriculum Vitae

The Statement of Purpose must fulfill any requirements of the department and also address the transdisciplinary nature of the Arts, Media and Engineering Program. Applicants should explain in a concise and persuasive manner how their educational, professional and personal experiences inform their research and creative interests, writing on any aspect of their background that supports candidacy to the AME Program.

Music Composition (DMA) FACOMPDMA

KATHERINE K. HERBERGER COLLEGE OF THE ARTS, TEMPE

Contact: <http://music.asu.edu> | margie.vincent@asu.edu | Music E177 | 480/965-5069 | 0405

Official Degree Awarded: Music (Music Composition) (DMA)

Program Description: The Doctor of Musical Arts (DMA) is a professional degree program designed for students desiring high levels of performance, academic proficiency, and preparation for teaching positions at the university level.

Program Requirements: A total of 90 semester hours beyond the bachelor's degree is required. Only 30 hours from a master's degree or other postgraduate work will be counted toward the 90 hour requirement. Once admitted to a DMA degree program, the student is expected to be enrolled continuously, excluding summer sessions, until all requirements for the degree have been fulfilled. In general, the DMA degree student should expect to spend at least the equivalent of three academic years beyond the bachelor's degree in the program. At least two semesters following the first year (30 to 32 semester hours) of graduate study must be spent in continuous full-time residence at ASU. After the first year (30 to 32 semester hours), at least 54 hours must be completed in residence at ASU. The music composition concentration requires the creation of a significant original work of music (considered to be a dissertation) and either two article-length research papers or one more substantial paper.

Admission Requirements: Students seeking admission normally hold the Master of Music degree. Applicants with other degrees are considered if they have received graduate training similar to that normally expected in a Master of Music degree program. The application for admission must be accompanied by an applicant's statement relating to goals, preparation, and educational background. A portfolio presenting evidence of accomplishment as a composer is also required. At least three works should be submitted. Materials may include scores, recordings of performances, electronic tapes and/or videotapes. Recent works are preferred. The applicant must submit scores for the GRE (quantitative, verbal, and analytical) or the MAT. Three letters of recommendation are required. The deadline is February 15 for teaching assistantship applications.

Music Composition (MM) FAMCOMPMM

KATHERINE K. HERBERGER COLLEGE OF THE ARTS, TEMPE

Contact: <http://music.asu.edu> | margie.vincent@asu.edu | Music E167 | 4809659861 | 0405

Official Degree Awarded: Composition (MM)

Program Description: Students majoring in composition may pursue a traditional composition curriculum or choose a concentration in interdisciplinary digital media and performance.

Program Requirements: The student must complete a minimum of 32 semester hours of graduate courses, of which at least one-third must be in the area of concentration. MTC 523 (nine semester hours), six hours of 599 Thesis; six hours of music history, three hours of music theory.

Admission Requirements: For admission to the major in Composition, the applicant must submit three original works showing technical facility in composition, letters of recommendation from two qualified persons in the field, and a one- to two-page personal statement of the applicant's professional goals.

Music Education (DMA) FAMUSEDDMA

KATHERINE K. HERBERGER COLLEGE OF THE ARTS, TEMPE

Contact: <http://music.asu.edu> | margie.vincent@asu.edu | Music E167 | 480/965-5069 | 0405

Official Degree Awarded: Music (Music Education) (DMA)

Program Description: The Doctor of Musical Arts (DMA) is a professional degree program designed for students desiring high levels of performance, academic proficiency, and preparation for teaching positions at the university level. The major is Music with four concentrations: conducting, music composition, music education, and performance (instrumental, keyboard, piano accompanying, piano pedagogy, voice).

Program Requirements: A total of 90 semester hours beyond the bachelor's degree is required. Only 30 hours from a master's degree or other postgraduate work will be counted toward the 90 hour requirement. Once admitted to a DMA degree program, the student is expected to be enrolled continuously, excluding summer sessions, until all requirements for the degree have been fulfilled. In general, the DMA degree student should expect to spend at least the equivalent of three academic years beyond the bachelor's degree in the program. At least two semesters following the first year (30 to 32 semester hours) of graduate study must be spent in continuous full-time residence at ASU. After the first year (30 to 32 semester hours), at least 54 hours must be completed in residence at ASU. The music education concentrations require a dissertation of an original and creative nature.

Admission Requirements: Applicants with other degrees are considered if they have received graduate training similar to that normally expected in a Master of Music degree program. The application for admission must be accompanied by an applicant's statement relating to goals, preparation, and educational background. The applicant must submit scores for the GRE (quantitative, verbal, and analytical) or the MAT. Three letters of recommendation are required. Applicants must also provide a clear videotape of a rehearsal or class, and submit an example of scholarly work or publication (e.g., term paper). Once the materials have been reviewed, an applicant may be asked to a live interview. The deadline is February 15 for teaching assistantship applications.

Music Education (MM) FAMUSEDMM

KATHERINE K. HERBERGER COLLEGE OF THE ARTS, TEMPE

Contact: <http://music.asu.edu> | margie.vincent@asu.edu | Music E177 | 480/965-5069 | 0405

Official Degree Awarded: Music Education (MM)

Program Description: The faculty in the School of Music offer a graduate program leading to the professional MM degree. Three majors are available: Composition, Music Education, and Performance. For the Music Education major, concentrations are available in:

1. choral music,
2. general music,
3. instrumental music, and
4. jazz studies.

Program Requirements: Total of 32 credit hours:

Choral Music

MUE 548, 549, 550 (or 579), 568, 570; two semester hours of ensemble; six semester hours of music history (including MHL 675); five or six hours of music theory.

General Music

MUE 548, 549, 550 (or 579), 551, 552; six semester hours of music history; five or six hours of music theory. One MHL course or one ensemble must be in ethnomusicology.

Instrumental Music

MUE 548, 549, 550 (or 579), 564, 566; six semester hours of music history; five or six hours of music theory.

Jazz Studies

MUE 548, 549, 550 (or 579), 560, 562 (two semesters); MUP 509, 510, 517, 518, three semester hours of jazz ensemble; six semester hours of music history; five or six hours of music theory (including MTC 598 Jazz Theory and Ear Training).

Admission Requirements: A Bachelor of Music degree or its equivalent from a regionally accredited institution is required for admission to the MM program. For admission to the MM degree in Music Education, the applicant must have completed all requirements for music teacher certification. Post baccalaureate certification is available and may be completed concurrently with master's degree work. Letters of recommendation from three qualified persons in the field are also required. For the jazz studies concentration, a video or audio tape of a recent jazz performance (solo or ensemble) by the applicant must be submitted, and a video or audio tape of a jazz ensemble directed by the applicant should also be submitted if available.

Music History and Literature (MA) FAMHISTMA

KATHERINE K. HERBERGER COLLEGE OF THE ARTS, TEMPE

Contact: <http://music.asu.edu> | margie.vincent@asu.edu | Music E167 | 480/965-5069 | 0405

Official Degree Awarded: Music (Music History and Literature) (MA)

Program Description: The School of Music in the Katherine K. Herberger College of the Arts at ASU is an accredited institutional member of the National Association of Schools of Music. The School of Music is committed to the growth and development of both faculty and students in order that music may be created, performed, studied, and taught with excellence. The faculty in the School of Music offer graduate programs leading to the MA degree in Music with a concentration in music history and literature.

Program Requirements: A minimum of 30 semester hours of graduate credit is required, of which at least two-thirds must be in the field of music history and literature and five or six semester hours in music theory. MHL 532, 591 (two semesters), 599 Thesis, five or six hours of music theory, and two semester hours of course work approved by the school.

Admission Requirements: In addition to the ASU Graduate College requirements and a School of Music application form, interested students must submit:

1. Evidence of scholarly achievement or potential (e.g., a term paper).
2. Letters of recommendation from two qualified persons in the field.
3. A one- to two-page personal statement explaining the relationship between the student's professional and/or personal goals and admission into the MA program.

Music Performance (DMA) FAPERFDMA

KATHERINE K. HERBERGER COLLEGE OF THE ARTS, TEMPE

Contact: <http://music.asu.edu> | margie.vincent@asu.edu | Music E167 | 480/965-5069 | 0405

Official Degree Awarded: Music (Performance) (DMA)

Program Description: The Doctor of Musical Arts (DMA) is a professional degree program designed for students desiring high levels of performance, academic proficiency, and preparation for teaching positions at the university level. The major is Music with four concentrations: conducting, music composition, music education, and performance (instrumental, keyboard, piano accompanying, piano pedagogy, voice).

Program Requirements: A total of 90 semester hours beyond the bachelor's degree is required. Only 30 hours from a master's degree or other postgraduate work will be counted toward the 90 hour requirement. Once admitted to a DMA degree program, the student is expected to be enrolled continuously, excluding summer sessions, until all requirements for the degree have been fulfilled. In general, the DMA degree student should expect to spend at least the equivalent of three academic years beyond the bachelor's degree in the program. At least two semesters following the first year (30 to 32 semester hours) of graduate study must be spent in continuous full-time residence at ASU. After the first year (30 to 32 semester hours), at least 54 hours must be completed in residence at ASU. The performance concentration requires at least three recitals after admission to the program and a research paper/project. All candidates must enroll for a total of 24 semester hours in research (MUP 792), solo performance (MUP 796),

Admission Requirements: Students seeking admission normally hold the Master of Music degree. Applicants with other degrees are considered if they have received graduate training similar to that normally expected in a Master of Music degree program. The application for admission must be accompanied by an applicant's statement relating to goals, preparation, and educational background. The applicant must submit scores for the GRE (quantitative, verbal, and analytical) or the MAT. Three letters of recommendation are required. A live audition is required. This must include materials from a variety of stylistic periods; a repertoire list must be included. The repertoire list should include works studied and performed following high school. The list should be divided into two sections: 1) work publicly performed, and 2) works studied. In the event a live audition is not possible, tapes may be submitted. If approved for admission, applicants will be granted "regular admission with deficiencies" or "provisional admission" status until an on-campus audition can be arranged during the first month following the beginning of instruction. The deadline is February 15 for teaching assistantship applications.

Music Performance (MM) FAPERF3MM

KATHERINE K. HERBERGER COLLEGE OF THE ARTS, TEMPE

Contact: <http://music.asu.edu> | margie.vincent@asu.edu | Music E167 | 480/965-5069 | 0405

Official Degree Awarded: Performance (Performance) (MM)

Program Description: Options in instrumental, keyboard, or voice.

Program Requirements: TOTAL 32 hours

Foreign Language Requirement: None

Thesis: None

Final Examination: Written and oral examinations are required.

Admission Requirements: A Bachelor of Music degree or its equivalent (from an accredited institution) is required for admission to the M.M. program. Admission to all concentrations under the major in performance is dependent on a successful audition, either in person or by taped performance. Applicants should also submit a repertoire list as evidence of previous study.

Music Theatre/Opera Musical Direction (MM) FAMUSTHMM

KATHERINE K. HERBERGER COLLEGE OF THE ARTS, TEMPE

Contact: <http://music.asu.edu> | margie.vincent@asu.edu | Music E167 | 480/965-5069 | 0405

Official Degree Awarded: Performance (Music Theatre/Opera Musical Direction) (MM)

Program Description: Option in opera or Broadway musicals

Program Requirements: TOTAL 32 hours

Foreign Language Requirement: None

Thesis: None

Final Examination: Written and oral examinations are required.

Admission Requirements: A Bachelor of Music degree or its equivalent from a regionally accredited institution is required for admission to the MM program. Admission to all concentrations under the major in Performance is dependent on a successful audition, either in person or by taped performance. Applicants should also submit a repertoire list as evidence of previous study.

Music Theatre/Opera Performance (MM) FAMUTPOMM

KATHERINE K. HERBERGER COLLEGE OF THE ARTS, TEMPE

Contact: <http://music.asu.edu> | margie.vincent@asu.edu | Music E177 | 480/965-5069 | 0405

Official Degree Awarded: Performance (Music Theatre/Opera Performance) (MM)

Program Description: Option in opera or Broadway musicals

Program Requirements: TOTAL 32 hours

Foreign Language Requirement: None

Thesis: None

Final Examination: Written and oral examinations are required

Admission Requirements: A Bachelor of Music degree or its equivalent from a regionally accredited institution is required for admission to the MM program. Admission to all concentrations under the major in Performance is dependent on a successful audition, either in person or by taped performance. Applicants should also submit a repertoire list as evidence of previous study.

Music Theory (MA) FAMTHEOMA

KATHERINE K. HERBERGER COLLEGE OF THE ARTS, TEMPE

Contact: <http://music.asu.edu> | margie.vincent@asu.edu | Music E167 | 480/965-5069 | 0405

Official Degree Awarded: Music (Music Theory) (MA)

Program Description: The School of Music in the Katherine K. Herberger College of the Arts at ASU is an accredited institutional member of the National Association of Schools of Music. The School of Music is committed to the growth and development of both faculty and students in order that music may be created, performed, studied, and taught with excellence. The faculty in the School of Music offer graduate programs leading to the MA degree in Music with a concentration in music theory.

Program Requirements: A minimum of 32 semester hours of graduate credit is required, of which at least 18 must be in the field of music theory and at least 10 must be selected from the fields of music theory, music composition, and music history. MTC 520, 525, 527, 528 and 599 Thesis and six semester hours of music history are also required.

Admission Requirements: In addition to the ASU Graduate College requirements and a School of Music application form, interested students must submit:

1. Evidence of scholarly achievement or potential (e.g., a term paper).
2. Letters of recommendation from two qualified persons in the field.
3. A one- to two-page personal statement explaining the relationship between the student's professional and/or personal goals and admission into the MA program.

Music Therapy (MM) FAMTHERMM

KATHERINE K. HERBERGER COLLEGE OF THE ARTS, TEMPE

Contact: <http://music.asu.edu> | margie.vincent@asu.edu | Music E177 | 480/965-5069 | 0405

Official Degree Awarded: Music Therapy (MM)

Program Description: The faculty in the School of Music offer a graduate program leading to the professional MM degree. The graduate degree in music therapy provides music therapists graduate-level study in the theory and practice of music therapy.

Program Requirements: Students are required to complete a minimum of 32 semester hours of graduate course work, of which a least one-third must be in the area of concentration. The music therapy core is comprised of 12 semester hours and eight or nine MHL and MTC courses. Electives are also taken, as determined by the music therapy advisor.

Admission Requirements: A Bachelor of Music degree (or its equivalent) from an accredited institution is required for admission into the MM program. For admission to the MM degree in Music Therapy, the applicant must also have completed all requirements for music therapy certification. Equivalency certification is available and may be completed concurrently with the master's degree work.

Painting (MFA) FAPAINTMFA

KATHERINE K. HERBERGER COLLEGE OF THE ARTS, TEMPE

Contact: <http://art.asu.edu> | vicki.kelley@asu.edu | Art Building 121 | 480/9656303 | 1505

Official Degree Awarded: Art (Painting) (MFA)

Program Description: Faculty assist students in both artistic and professional development, teaching about portfolio development, photographing artwork, acquiring a gallery affiliation, different types of exhibition venues available and preparation for graduate school.

Top students are chosen for the Senior Honors Studio Award, which provides six seniors each year with their own, semi-private studio space with 24-hour access. Exhibition opportunities are available in the School of Art's student galleries.

Program Requirements: A minimum of 60 semester hours of graduate credit subject to committee approval is required, including

1. 27 to 32 graduate studio semester hours in the major area(s) of concentration,
2. six semester hours of graduate-level art history and three semester hours of other interdisciplinary graduate credit to supplement MFA work (nonstudio courses)
3. nine semester hours of graduate-level course work outside of the major area of concentration, of which three semester hours must begin with the ART prefix and the remaining six semester hours may be outside the School of Art , and
4. 10 to 15 hours of ART 680 Practicum, resulting in an MFA exhibition.

Admission Requirements: A bachelor's degree from a college or university recognized by ASU is required. All students applying for the MFA degree must submit to the graduate coordinator a portfolio of images of their work on a CD-ROM disk containing 20 JPEG files (1000 pixels in the long dimension) or 20 images assembled as a PowerPoint presentation. Three letters of recommendation, a current curriculum vitae and a statement of intent pertaining to the student's educational objectives are also required.

Performance Pedagogy (MM) FAPPEDMM

KATHERINE K. HERBERGER COLLEGE OF THE ARTS, TEMPE

Contact: <http://music.asu.edu> | margie.vincent@asu.edu | Music E177 | 480/965-5069 | 0405

Official Degree Awarded: Performance (Performance Pedagogy) (MM)

Program Description: Performance Pedagogy (MM)

Program Requirements: TOTAL 32 hours

Foreign Language Requirement: None for Instrumental or Piano. For Voice, Sixteen hours of college-level credit in more than one foreign language, chosen from French, German, or Italian.

Thesis: None

Final Examination: Written and oral examinations are required.

Admission Requirements: A Bachelor of Music degree or its equivalent from an accredited institution is required for admission to the MM program. Admission to all concentrations under the major in Performance is dependent on a successful audition, either in person or by taped performance. Students majoring in Performance with a concentration in performance pedagogy (voice) are required to take a diction examination in French, German, and Italian during registration week of their first semester. Students who do not pass this examination are required to take the appropriate semester(s) of MUP 250.

For admission to the concentration in performance pedagogy (piano), a minimum of one semester of prior piano pedagogy study that includes significant intern teaching experience is required. In addition, the student must demonstrate evidence of teaching ability, either in person or by videotape.

Photography (MFA) FAPHOTOMFA

KATHERINE K. HERBERGER COLLEGE OF THE ARTS, TEMPE

Contact: <http://art.asu.edu/> | vicki.kelley@asu.edu | Art Building 102 | 4809656303 | 1505

Official Degree Awarded: Art (Photography) (MFA)

Program Description: The photography program includes critical and cultural analysis of photography. Students can explore interdisciplinary options in their art through close links among the photography program and a number of other disciplines, including printmaking, intermedia and sculpture.

The Northlight Gallery is part of the School of Art's photography program and students have the opportunity to exhibit, as well as view and study, the work of outstanding photographic artists from across the country. Students who take the Photographic Exhibitions class learn how to run a gallery and get practical experience as well as theoretical training.

Program Requirements: A minimum of 60 semester hours of graduate credit subject to committee approval is required, including:

1. from 27 to 32 graduate studio semester hours in the major area(s) of concentration,
2. six semester hours of graduate-level art history and three semester hours of other interdisciplinary graduate credit to supplement MFA work (nonstudio courses),
3. nine semester hours of graduate-level course work outside of the major area of concentration, of which three semester hours must begin with the ART prefix and the remaining six semester hours may be outside the School of Art, and
4. 10 to 15 hours of ART 680 Practicum, resulting in an MFA exhibition.

Admission Requirements: A bachelor's degree from a regionally accredited college or university recognized by ASU is required. All students applying for the MFA degree must submit to the graduate coordinator a portfolio of images of their work on a CD-ROM disk containing 20 JPEG files (1000 pixels in the long dimension) or 20 images assembled as a PowerPoint presentation. Three letters of recommendation, a current curriculum vitae and a statement of intent pertaining to the student's educational objectives are also required

Piano, Collaborative (MM) FACPIANOMM

KATHERINE K. HERBERGER COLLEGE OF THE ARTS, TEMPE

Contact: <http://music.asu.edu> | margie.vincent@asu.edu | Music E177 | 480/965-5069 | 0405

Official Degree Awarded: Performance (Collaborative Piano) (MM)

Program Description: Students majoring in collaborative piano work with all instrumental and vocal areas, concentrating on collaborative endeavors such as duo recitals and chamber music.

Post Baccalaureate Artist Diploma (Grad Certificate) FAPBARTDCE

TEMPE

Contact: <http://music.asu.edu/> | margie.vincent@asu.edu | MUSIC E167 | 480/965-5069 | 0405

Official Degree Awarded: Post-Bachelor's Artist Diploma (certificate) (CERT)

Program Description: The Post-Bachelor's Artist Diploma graduate certificate program is intended for a very limited number of the most gifted performers who demonstrate strong potential for successful careers in musical performance.

Program Requirements: "The Post-Bachelor's Artist Diploma program is a two-year course of study requiring at least two consecutive semesters of residence. A total of 32 semester hours, including four public recitals, is required. Three of the recitals must be presented on the ASU campus, and one at a venue outside of the metropolitan Phoenix area.

Course Requirements

MUP 527 (16 semester hours), 551 (four semester hours), and 581 (two semester hours); performing ensembles (two semester hours); and four recitals (eight semester hours).

Admission Requirements: Students seeking admission must hold at least a bachelor's degree in music or an equivalent conservatory credential at the time of entrance. All applicants whose native language is not English must submit a score of at least 550 on the Test of English as a Foreign Language (TOEFL). For preliminary screening, every applicant must submit a letter of application, official transcripts, four letters of recommendation, and an audio recording containing works representing a variety of musical styles and composers. Those applicants recommended for a full audition must perform an audition recital and be interviewed on the ASU campus.

Printmaking (MFA) FAPRINTMFA

KATHERINE K. HERBERGER COLLEGE OF THE ARTS, TEMPE

Contact: <http://art.asu.edu> | vicki.kelley@asu.edu | Art Building 121 | 480/9656303 | 1505

Official Degree Awarded: Art (Printmaking) (MFA)

Program Description: Unusual study options include photogravure, collotype and bookmaking. Combined with the major printmaking forms of intaglio, lithography, screen printing and relief, they create a rare combination of study options not available anywhere else in the country. Photo-processing for printmaking and papermaking are also available.

Book arts (one of fewer than a dozen bookmaking programs in the country) and the renowned Pyracantha Press are premier aspects of the program. There also are classes in papermaking.

Interdisciplinary collaboration is encouraged and students often work with other departments in the School of Art, particularly photography and intermedia.

Graduates of the printmaking program go on to careers that include teaching and studio jobs in some of the country's best fine art print publishing studios. Many former students continue to be productive artists, exhibiting nationally.

Program Requirements: A minimum of 60 semester hours of graduate credit subject to committee approval is required, including:

1. 27 to 32 graduate studio semester hours in the major area(s) of concentration,
2. six semester hours of graduate-level art history and three semester hours of other interdisciplinary graduate credit to supplement MFA work (nonstudio courses),
3. nine semester hours of graduate-level course work outside of the major area of concentration, of which three semester hours must begin with the ART prefix and the remaining six semester hours may be outside the School of Art , and

4. 10 to 15 hours of ART 680 Practicum, resulting in an MFA exhibition.

Admission Requirements: A bachelor's degree from a regionally accredited college or university recognized by ASU is required. All students applying for the MFA degree must submit to the graduate coordinator a portfolio of images of their work on a CD-ROM disk containing 20 JPEG files (1000 pixels in the long dimension) or 20 images assembled as a PowerPoint presentation. Three letters of recommendation, a current curriculum vitae and a statement of intent pertaining to the student's educational objectives are also required.

Sculpture (MFA) FASCULPMFA

KATHERINE K. HERBERGER COLLEGE OF THE ARTS, TEMPE

Contact: <http://art.asu.edu> | vicki.kelley@asu.edu | Art Building 121 | 4809656303 | 1505

Official Degree Awarded: Art (Sculpture) (MFA)

Program Description: Hard-to-find opportunities to work in neon, study electronics and kinetics in sculpture, or cast in iron, bronze and aluminum all are offered here. There are even a couple of filmmaking courses and one in clay animation. Combine these with woodworking, metal fabrication, installation and public art, and you have a program with something for everyone.

While classes run the gamut of the contemporary sculpture environment, there also is an emphasis on helping students put today's creations in the context of the history of sculpture.

Other opportunities include personal studio space for advanced undergraduate students and visiting artists who provide lectures and one-on-one critiques of student's work

Program Requirements: A minimum of 60 semester hours of graduate credit subject to committee approval is required, including

1. 27 to 32 graduate studio semester hours in the major area(s) of concentration,
2. six semester hours of graduate-level art history and three semester hours of other interdisciplinary graduate credit to supplement MFA work (nonstudio courses),
3. nine semester hours of graduate-level course work outside of the major area of concentration, of which three semester hours must begin with the ART prefix and the remaining six semester hours may be outside the School of Art , and
4. 10 to 15 hours of ART 680 Practicum, resulting in an MFA exhibition.

Admission Requirements: A bachelor's degree from a college or university recognized by ASU is required. All students applying for the MFA degree must submit to the graduate coordinator a portfolio of images of their work on a CD-ROM disk containing 20 JPEG files (1000 pixels in the long dimension) or 20 images assembled as a PowerPoint presentation. If appropriate, a DVD is also acceptable. Three letters of recommendation, a current curriculum vitae and a statement of intent pertaining to the student's educational objectives are also required.

Theatre (MA) FATHEAMA

KATHERINE K. HERBERGER COLLEGE OF THE ARTS, TEMPE

Contact: <http://theatrefilm.asu.edu/> | theatre@asu.edu | GHall 232 | 4809655337 | 2002

Official Degree Awarded: Theatre (MA)

Program Description: The MA degree in Theatre introduces students to graduate-level study in the history, theory and practice of theatre. It is designed for individuals who wish to prepare to enter a PhD program, for K-12 teachers seeking to expand their knowledge of theatre, and for returning students interested in learning more about theatre scholarship and performance.

Program Requirements: The program requires 30 semester credits consisting of 24 semester hours of graduate course work (nine credits of required courses and 15 semester hours of electives), plus six semester hours devoted to a final project chosen by the student and approved by the student's faculty committee. Students may choose to complete an additional six semester hours of courses in lieu of the final project.

Admission Requirements: Students must fulfill both the requirements of the Graduate College and those of the School of Theatre and Film. The deadline for application to the School of Theatre and Film is February 15. Students should include a statement of purpose (this will address their background and experiences as they relate to their reasons for pursuing the master's degree; describe their research interests; and indicate future career goals); a current curriculum vitae; a sample of scholarly writing; and three letters of recommendation from professionals familiar with their work.

Theatre (MFA) FATHEAMFA

KATHERINE K. HERBERGER COLLEGE OF THE ARTS, TEMPE

Contact: <http://theatrefilm.asu.edu/> | theatre@asu.edu | GHall 232 | 4809655337 | 2002

Official Degree Awarded: Theatre (MFA)

Program Description: Theatre (MFA)

Theatre - Interdisciplinary Digital Media (MFA) FATHEADMFA

KATHERINE K. HERBERGER COLLEGE OF THE ARTS, TEMPE

Contact: <http://theatrefilm.asu.edu/> | theatre@asu.edu | GHall 232 | 4809655337 | 2002

Official Degree Awarded: Theatre (Interdisciplinary Digital Media) (MFA)

Program Description: This graduate degree concentration is offered through the School of Theatre and Film in collaboration with the Arts, Media and Engineering (AME) program. It focuses on the growing importance of digital media as a way of both making art and thinking about art. AME program courses and research activities prepare students to become sophisticated developers, makers, evaluators and entrepreneurs of digital media, while at the same time completing a sequence of core courses in theatre.

Program Requirements: The 60-hour program includes 24 hours of core courses in theatre theory, history, and practice, as well as a minimum of 18 hours in core AME courses, to be selected in consultation with each student's AME Graduate Advisor. Fifteen hours in research and applied project credits are also required. The overall course of study is developed with the advisor to ensure a breadth of transdisciplinary knowledge.

Admission Requirements: Students must fulfill the requirements of the Graduate College and those of both the School of Theatre and Film and the Arts, Media and Engineering program. The deadline for application to the School of Theatre and Film is February 15, but please note that for financial aid purposes, the AME deadline is Feb. 1. The School of Theatre and Film requires additional application materials for the M.F.A. in Integrated Digital Media: a statement of purpose detailing your background in theatre, as well as your interest in and suitability for work in the inter-discipline of theatre and digital media; a portfolio of materials that support the statement of purpose (writing samples, electronic performance materials, etc.); a current resume; and three letters of recommendation from professionals familiar with your work.

Theatre Performance (MFA) FAPERFMFA

KATHERINE K. HERBERGER COLLEGE OF THE ARTS, TEMPE

Contact: http://theatrefilm.asu.edu | theatre@asu.edu | GHall 232 | 4809655337 | 2002

Official Degree Awarded: Theatre (Performance) (MFA)

Program Description: Admission to the directing, performance, and performance design concentrations is cohort-based. We will accept applications for these concentrations for the 2011 academic year beginning in Fall 2010

This program readies students for the changing roles of theatre and the performing artist. The School of Theatre and Film offers an approach to training that includes, but goes beyond, traditional actor training. Skills are emphasized for approaching and creating new work, developing artistic entrepreneurship, and performance applications in multimedia, interdisciplinary collaboration, artistic integrity and social responsibility.

Program Requirements: The MFA in Theatre with a concentration in Performance is a three-year, 60 credit-hour program. The first year is dedicated to individual skill and ensemble building. Second-year training further develops the artist's skills in exploring texts and the worlds they emerge from and help to create; understanding the complexity and dramatic potential inherent

in language; encouraging bold and courageous choices; and developing new work that will culminate in a tour. The third year serves as a bridge between the educational and professional worlds and the communities they serve. Students conclude their graduate studies with an applied performance project, specifically suited to their needs and interests. Academic and artistic progress is evaluated at the end of each semester by a faculty committee. Program continuation is contingent upon a successful review.

Admission Requirements: Students are admitted to this program every three years, forming a cohort with their colleagues in the other MFA programs in theatre practice; the next class will begin course work in 2011. Students must fulfill both the requirements of the Graduate College and those of the School of Theatre and Film. The deadline for application to the School of Theatre and Film is February 15. The School of Theatre and Film requires additional application materials for the MFA in Theatre (Performance): an audition and interview, either on campus or at one of the U/RTA sites; a statement of purpose; a current resume; and three letters of recommendation from professionals familiar with your work.

Theatre For Youth (MFA) FAYOUTHMFA

KATHERINE K. HERBERGER COLLEGE OF THE ARTS, TEMPE

Contact: <http://theatrefilm.asu.edu> | theatre@asu.edu | GHall 232 | 4809655337 | 2002

Official Degree Awarded: Theatre (Theatre For Youth) (MFA)

Program Description: This MFA program offers comprehensive course work in all areas of Theatre for Youth, renowned faculty, superb facilities, practical experience in working in drama and theatre with and for young people, and a challenging and supportive atmosphere ideal for educating future leaders in the field.

Program Requirements: The M.F.A. in Theatre (Theatre for Youth) is a three-year, 60 credit-hour program. Required core courses are supplemented by elective courses in an emphasis area. The emphasis areas prepare students for careers in professional theatre; as artists or education directors; specialists in arts organizations; or as teachers in elementary, secondary and/or higher education. An internship with a professional theatre company, school, or arts organization, and a final applied project, complete the program.

Admission Requirements: Students must fulfill both the requirements of the Graduate College and those of the School of Theatre and Film. The deadline for application to the School of Theatre and Film is February 15. The School of Theatre and Film requires additional application materials for the M.F.A. in Theatre (Theatre for Youth): an interview; a statement of purpose (a cover letter indicating the preferred area of study, summarizing the applicant's qualifications, artistic vision and how the candidate feels the M.F.A. Theatre for Youth program can help meet his or her goals); a current resume; and three letters of recommendation from professionals familiar with your work.

Theatre For Youth (PhD) FAYOUTHPHD

KATHERINE K. HERBERGER COLLEGE OF THE ARTS, TEMPE

Contact: <http://theatrefilm.asu.edu/> | theatre@asu.edu | GHall 232 | 4809655337 | 2002

Official Degree Awarded: Theatre (Theatre For Youth) (PhD)

Program Description: This PhD degree program is designed to give students a broad knowledge of theatre, as well as special research, production and teaching skills in Theatre for Youth. Studies include theatre history, theory, and literature; the teaching of theatre to grades K-12 and university students; and the theories and principles governing how young people learn to create and respond to theatre. Each Theatre for Youth Ph.D. student follows a course of study including required and elective classes to prepare for exams to demonstrate general literacy in theatre history, criticism and literature as well as in-depth understandings and research perspectives in theatre and drama with and for young people. Students may take courses in directing, acting, design, playwriting, theatre history, and theatre theory and criticism. Tutorial courses with major professors are encouraged, as is graduate study in other departments offering courses in research methods, educational theory, critical theory and arts education.

Program Requirements: A total of 90 semester hours, of which 30 may be fulfilled with a completed master's degree, are required. The concentration in Theatre for Youth requires a core of 30 hours. Additionally, 24 hours in research and dissertation preparation; and six hours of research methodology, approved by the supervisory committee; or successful examination in a foreign language approved by the committee.

In meeting these requirements, you, with the advice of the supervisory committee, may select theatre courses in areas such as theatre education, directing, acting, design, playwriting, theatre history and theatre theory/criticism, in addition to tutorial courses. You may also take courses outside the School of Theatre and Film in areas such as critical and cultural studies, area studies, languages and literatures, educational theory and methodology, aesthetic theory, the arts and arts education, and children's literature. You are encouraged to be involved in on- and off-campus productions, teaching and research. All activities are selected to help you meet the goals of the program and develop the capability of becoming a leader in the field.

Preliminary Reviews

Reviews of a student's performance in courses and development of research skills, artistic skills and teaching competencies are conducted by the supervisory committee at the end of each semester.

Preliminary Reviews

Reviews of a student's performance in courses and development of research skills, artistic skills and teaching competencies are conducted by the supervisory committee at the end of each semester.

Comprehensive Examinations

These examinations are composed of written and oral components centering on theatre history, literature and criticism; Theatre for Youth and theatre education; and the research area.

Dissertation Requirements

A dissertation based on original research work of high quality, demonstrating proficiency in the student's special field, is required.

Admission Requirements: Students must fulfill both the requirements of the Graduate College and those of the School of Theatre and Film. The deadline for application to the School of Theatre and Film is January 15. The School of Theatre and Film requires additional application materials for the Ph.D. in Theatre (Theatre for Youth): an interview is strongly recommended; a statement of purpose (this statement should explain your research, artistic and educational philosophies and goals, as appropriate to your desired focus in the Ph.D. program; explain also how study in the ASU Theatre for Youth program might particularly suit these goals/philosophies); a current curriculum vitae; a sample of scholarly writing; and three letters of recommendation from professionals familiar with your work (these letters should address specifically your potential for success in a Ph.D. program).

Theatre: Directing (MFA) FADIRMFA

KATHERINE K. HERBERGER COLLEGE OF THE ARTS, TEMPE

Contact: <http://theatrefilm.asu.edu> | theatre@asu.edu | GHall 232 | 4809655337 | 2002

Official Degree Awarded: Theatre (Directing) (MFA)

Program Description: Admission to the directing, performance, and performance design concentrations is cohort-based. We will accept applications for these concentrations for the 2011 academic year beginning in Fall 2010.

The program seeks students who demonstrate directing talent, scholastic achievement, and preferably, practical experience in the professional theatre. The program focuses on the collaborative process necessary for new work development. Students are introduced to varied critical viewpoints from select artists and scholars. A hands-on, mentor-student approach is emphasized with the intent of developing the skill, craft and attitude, including interpersonal communication skills, required to be an excellent professional director.

Program Requirements: The MFA in Theatre with a concentration in directing is a three-year, 60 semester-hour program. Practical directing and directing classes are approximately 50 percent of the course work. Classes include: acting, voice, movement, dramatic theory and criticism, dramaturgy, adaptation, design collaboration, theatre organization and management, theatre for social change, theatre history, performance technology, community-based ensemble, assistant directing for professional directors working on the Main-stage and a TYA tour practicum. MFA directors will direct new work every year. Major assignments may include: directing a new full-length play by an MFA playwright, creating and directing an adaptation of an existing work in the Prism Theatre, and directing one Applied Project in the Main-stage season. Directing faculty mentor all

projects. Academic and artistic progress is evaluated at the end of each semester by a faculty committee. Program continuation is contingent upon a successful review.

Admission Requirements: Students are admitted to this program every three years, forming a cohort with their colleagues in the other MFA programs in theatre practice; the next class will begin course work in 2011. Students must fulfill both the requirements of the Graduate College and those of the School of Theatre and Film. The deadline for application to the School of Theatre and Film is February 15. In addition to the requirements outlined on the Graduate College website, the School of Theatre and Film requires additional application materials for the MFA in Directing: a personal interview, either on campus or at one of the U/RTA sites; a statement of purpose; a current resume; three letters of references from professionals familiar with your work; a written approach to a play selected by the reviewing committee.

Theatre: Performance America (PhD) FAPERAMPHD

KATHERINE K. HERBERGER COLLEGE OF THE ARTS, TEMPE

Contact: <http://theatrefilm.asu.edu> | theatre@asu.edu | GHall 232 | 4809655337 | 2002

Official Degree Awarded: Theatre (Theatre/Performance Americas) (PhD)

Program Description: The PhD in Theatre, with a concentration in theatre and performance of the Americas, trains scholars to examine the histories, theories, and practices associated with cultural performance, from a hemispheric point of view. Through course work, seminars, and research and study opportunities, doctoral students work from diverse critical perspectives that mobilize thought across geographical and disciplinary borders. They thereby develop skills to re-examine and interrogate the canon of theatre as text and as performance, expanding the traditional boundaries of theatre studies in two ways: via a perspective that considers the shared histories and practices of theatre and performance in the Americas as central to an intervention in traditionally narrated histories and theories of theatre; and via the methodologies of cultural and performance studies that accommodate other forms of embodied expression related to but distinct from formal theatrical expression. The course of study is designed to provide substantive historical and theoretical grounding in the field, while allowing flexibility in the choice of specialized seminar and practical experiences. The first year of study immerses students in the theoretical and practical groundwork of performance research in general, and modalities of performance in the Americas in particular. In the second year, students build on research interests identified in the first year through specialized coursework and practical experience.

Program Requirements: A total of 90 semester hours are required; 30 of the 90 hours may be satisfied through a completed master's degree.

The concentration in Theatre and Performance of the Americas consists of a core of 24 hours. Additionally, 12 hours of electives, two of which must come from outside the school (as approved by the supervisory committee); and 24 hours of research and dissertation preparation.

In meeting these requirements, you, with the advice of the supervisory committee, may select theatre courses in areas such as theatre education, directing, acting, design, playwriting, theatre history and theatre theory/criticism, in addition to tutorial courses. You may also take courses outside the School of Theatre and Film in areas such as critical and cultural studies, area studies, languages and literatures, and aesthetic theory. You are encouraged to be involved in on- and off-campus productions, teaching and research. All activities are selected to help you meet the goals of the program and develop the capability of becoming a leader in the field.

Preliminary Reviews

Reviews of your performance in courses and development of research skills, artistic skills and teaching competencies are conducted by the supervisory committee at the end of each semester.

Comprehensive Examinations

These examinations are composed of written and oral components centering on theatre history, literature and criticism, theatre and performance of the Americas, and the research area.

Dissertation Requirements

A dissertation based on original high-quality research work, demonstrating proficiency in your special field, is required.

Admission Requirements: Students must fulfill both the requirements of the Graduate College and those of the School of Theatre and Film. The deadline for application to the School of Theatre and Film is January 15. The School of Theatre and Film requires additional application materials for the Ph.D. in Theatre (Theatre and Performance of the Americas): an interview is strongly recommended; a statement of purpose (this should address your background and experiences as they relate to your reasons for pursuing the Ph.D.; describe your research interests; and indicate future career goals); a current curriculum vitae; a sample of scholarly writing; and three letters of recommendation from professionals familiar with your work. (Please note that we only accept students who have already earned a masters degree in a relevant area.

Theatre: Performance Design (MFA) FAPERDMFA

KATHERINE K. HERBERGER COLLEGE OF THE ARTS, TEMPE

Contact: <http://theatrefilm.asu.edu> | theatre@asu.edu | GHall 232 | 4809655337 | 2002

Official Degree Awarded: Theatre (Performance Design) (MFA)

Program Description: Admission to the directing, performance, and performance design concentrations is cohort-based. We will accept applications for these concentrations for the 2011 academic year beginning in Fall 2010.

ASU offers a strenuous and innovative program that focuses on a non-traditional approach to design training in preparation for the theatrical design challenges of the future. The design student is not asked to choose one sub-discipline of performance design, but rather will work with an ensemble of designers, directors, and performers to create new projects that redefine the role of the traditional designer.

Skills for approaching and creating new work include drafting and computer imaging, new work development, design applications in multimedia, and the development of artistic entrepreneurship and integrity.

Performance Design students work in multiple venues, including the 481-seat Galvin Playhouse, 164-seat Lyceum Theatre, two studios and one experimental space. In addition, students work in the shops, a design studio, and a computer-imaging lab.

Program Requirements: The MFA in Design is a three-year, 60 credit-hour program. The first year is dedicated to creating an ensemble, as well as honing the skills needed to visually communicate ideas to a director and audience.

The second year concentrates on new work development that will culminate in a tour. This year also concentrates on strengthening design abilities.

The third year serves as a bridge between the educational and professional theatre and the communities they serve. Students conclude with an applied ensemble design project suited to their needs and interests.

A professional internship is required and can be fulfilled anytime after the first year of study. Academic and artistic progress is evaluated at the end of each semester by a faculty committee. Program continuation is contingent upon a successful review.

Admission Requirements: Students are admitted to this program every three years, forming a cohort with their colleagues in the other MFA programs in theatre practice; the next class will begin course work in 2011. Students must fulfill both the requirements of the Graduate College and those of the School of Theatre and Film. The deadline for application to the School of Theatre and Film is February 15. The School of Theatre and Film requires additional application materials for the MFA in Performance Design: a personal interview either on campus or at one of the U/RTA sites; a portfolio of ten samples of visual work (to be presented at interview); a written statement of purpose; a current resume; and three letters of recommendation from professionals familiar with your work.

Wood (MFA) FAWOODMFA

KATHERINE K. HERBERGER COLLEGE OF THE ARTS, TEMPE

Contact: <http://art.asu.edu> | vicki.kelley@asu.edu | Art Building 121 | 4809656303 | 1505

Official Degree Awarded: Art (Wood) (MFA)

Program Description: The graduate years are seen as a time for searching and experimenting, as well as for developing a high degree of professionalism in creative work. The Herberger College offers one of the best equipped fine woodworking shops in the Southwest. It includes equipment for laminating, carving, turning and fabricating.

Program Requirements: A minimum of 60 semester hours of graduate credit subject to committee approval is required, including:

1. 27 to 32 graduate studio semester hours in the major area(s) of concentration,
2. six semester hours of graduate-level art history and three semester hours of other interdisciplinary graduate credit to supplement MFA work (nonstudio courses),
3. nine semester hours of graduate-level course work outside of the major area of concentration, of which three semester hours must begin with the ART prefix and the remaining six semester hours may be outside the School of Art , and
4. 10 to 15 hours of ART 680 Practicum, resulting in an MFA exhibition.

Admission Requirements: A bachelor's degree from a regionally accredited college or university recognized by ASU is required. All students applying for the MFA degree must submit to the graduate coordinator a portfolio of images of their work on a CD-ROM disk containing 20 JPEG files (1000 pixels in the long dimension) or 20 images assembled as a PowerPoint presentation. Three letters of recommendation, a current curriculum vitae and a statement of intent pertaining to the student's educational objectives are also required

BUSINESS, W. P. CAREY SCHOOL OF

Accountancy (MAcc) BAACCMACC

W. P. CAREY SCHOOL OF BUSINESS, TEMPE

Contact: <http://wpcarey.asu.edu/acc/macc.cfm> | wpcareyacc@asu.edu | BA223Q | 480/965-3631 | 3606

Official Degree Awarded: Accountancy (MAcc)

Program Description: The Master of Accountancy (MAcc) program is structured to provide students with an in-depth working knowledge of advanced accounting topics that are most relevant in today's business environment. The program prepares students for a wide range of professional careers in accounting and also aids significantly in preparation for the CPA exam. The MAcc program also offers an emphasis in information systems.

Program Requirements: The Master of Accountancy program consists of 30 semester hours over a nine month period of study (August through May). The curriculum is constantly updated.

Admission Requirements: All applicants are required to submit an online application to the Graduate College. Complete application instructions may be obtained from the school's Web site. Students applying to this program must submit scores from the Graduate Management Admission Test (GMAT). International applicants whose native language is not English must submit scores from the Test of English as a Foreign Language (TOEFL) examination. Preference in admission is given to those with degrees in accounting, although other exceptional candidates are considered.

Accountancy (PhD) BAACCTPHD

W. P. CAREY SCHOOL OF BUSINESS, TEMPE

Contact: <http://wpcarey.asu.edu/grad/PhD/acc> | wpcareyacc@asu.edu | BA 223Q | 480/965-3631 | 4606

Official Degree Awarded: Business Administration (Accountancy) (PhD)

Program Description: The objective of the PhD in Business Administration with a concentration in accountancy is to prepare scholars to conduct high-quality research and to teach in the fields of financial and managerial accounting, auditing, information systems, and taxation. This program allows students to develop the capability to review, analyze, conduct, and publish research

through a series of research seminars and theory-building and statistical course work that supplement and complement students' abilities and desires. In addition, PhD students participate in ongoing research projects in conjunction with faculty members in the School of Accountancy.

Program Requirements: Program of Study

A minimum of 84 semester hours is required for the PhD degree; 12 (and only 12) of these hours must be 799 Dissertation. Of the 84 semester hours, at least 30 hours (which may include research credit) of the approved PhD program and 12 dissertation hours must be completed after admission to the student's PhD program. Students may not apply credit hours earned for a doctoral degree previously awarded at ASU or another institution toward their current ASU doctoral degree. However, at the individual academic unit's discretion, students may apply up to 30 semester hours from a previously awarded master's degree toward their doctoral program of study.

Students work with their study committees to determine an appropriate program of study. Common areas of functional specialization among doctoral studies include financial and managerial accounting, auditing, information systems, and taxation. With these functional areas, doctoral studies may emphasize experimental or archival research methods. All accountancy doctoral students are required to take a three-semester sequence of accountancy doctoral course work. A maximum of six approved graduate semester hours can be transferred to satisfy program requirements.

Comprehensive Examinations

Upon completion of all necessary course work on a student's approved program of study, the academic unit may initiate the scheduling and administering of a student's comprehensive examinations. The comprehensive examination consists of a minimum of a written exam; at the discretion of the academic unit, an oral exam may also be required.

Candidacy

PhD students achieve candidacy status in a letter from the dean of the Graduate College upon:

1. passing the comprehensive examinations; and
2. successfully defending the dissertation prospectus.

Dissertation Requirements

Students are required to present a dissertation to satisfy the research requirement for the PhD degree. The dissertation is defended in an oral examination commonly known as the dissertation defense.

Students must be enrolled for at least one semester hour of credit that appears on the program of study or one hour of appropriate graduate-level credit (such as 795 Continuing Registration) during the semester (including summer session) in which the student defends the dissertation.

NOTE: For detailed information regarding the university's doctoral degree requirements, please refer to the Graduate College's Doctor of Philosophy policy and procedures.

Maximum Time Limit

Doctoral students must complete all program requirements within a ten-year period. The ten-year period starts with the initial enrollment into the doctoral program. In addition, the student must take the final oral examination in defense of the dissertation within five years after passing the comprehensive examinations. Any exception must be approved by the supervisory committee and the dean of the Graduate College and ordinarily involves repetition of the comprehensive examinations.

Admission Requirements: Applications are initially reviewed by a School of Accountancy doctoral committee using a portfolio approach. In addition to GMAT scores and prior academic performance, letters of recommendation and a personal statement are

reviewed to ensure a good "fit" between the student's goals and the school. A recommendation for action is then made to the associate dean in the W. P. Carey School of Business who in turn makes a recommendation to the Graduate College. The Graduate College either admits or denies each applicant and notifies them in writing.

Agribusiness (PhD) BAAGRIPHD

W. P. CAREY SCHOOL OF BUSINESS, TEMPE

Contact: <http://wpcarey.asu.edu/grad/PhD/> | wpcareyPhD@asu.edu | BA 171 | 480/727-1488 | 4906

Official Degree Awarded: Business Administration (Agribusiness) (PhD)

Program Description:

The objective of the agribusiness PhD program is to produce scholars who are trained in the latest methods of business and economic analysis and who can apply these methods to critical research problems faced by firms in the agribusiness industry. With this background, graduates with a concentration in agribusiness are qualified to assume teaching and research positions at top-ranked research universities.

Agribusiness PhD students are involved with research in:

1. Consumer behavior in food markets;
2. Strategic marketing by food retailers;
3. Food and fiber supply-chain management;
4. Derivatives, commodity trading, and risk management; and
5. International agricultural trade and policy.

Program Requirements: Program of Study

A minimum of 84 semester hours is required for the PhD degree; 12 (and only 12) of these hours must be 799 Dissertation. Of the 84 semester hours, at least 30 hours (which may include research credit) of the approved PhD program and 12 dissertation hours must be completed after admission to the student's PhD program. Students may not apply credit hours earned for a doctoral degree previously awarded at ASU or another institution toward their current ASU doctoral degree. However, at the individual academic unit's discretion, students may apply up to 30 semester hours from a previously awarded master's degree toward their doctoral program of study.

Agribusiness PhD students are expected to develop a program of study that consists of three elements: (1) a core of theory and quantitative methods course work in economics and management from the W. P. Carey School, (2) advanced courses in at least one of economics, finance, marketing, or management from the W. P. Carey School and (3) a two-course sequence of PhD-level theory and methods as applied to issues and concepts specific to the agribusiness sector from the Morrison School. The agribusiness PhD is designed to allow "flexibility with focus" so each student's program of study is unique, but is designed to produce the highest level of research competency in the student's chosen area of interest.

Comprehensive Examinations

Upon completion of all necessary course work on a student's approved program of study, the academic unit may initiate the scheduling and administering of a student's comprehensive examinations. The comprehensive examination consists of a minimum of a written exam; at the discretion of the academic unit, an oral exam may also be required.

Candidacy

PhD students achieve candidacy status in a letter from the dean of the Graduate College upon:

1. passing the comprehensive examinations; and
2. successfully defending the dissertation prospectus.

Dissertation Requirements

Students are required to present a dissertation to satisfy the research requirement for the PhD degree. The dissertation is defended in an oral examination commonly known as the dissertation defense.

Students must be enrolled for at least one semester hour of credit that appears on the program of study or one hour of appropriate graduate-level credit (such as 795 Continuing Registration) during the semester (including summer session) in which the student defends the dissertation.

NOTE: For detailed information regarding the university's doctoral degree requirements, please refer to the Graduate College's Doctor of Philosophy policy and procedures.

Maximum Time Limit

Doctoral students must complete all program requirements within a ten-year period. The ten-year period starts with the initial enrollment into the doctoral program. In addition, the student must take the final oral examination in defense of the dissertation within five years after passing the comprehensive examinations. Any exception must be approved by the supervisory committee and the dean of the Graduate College and ordinarily involves repetition of the comprehensive examinations.

Admission Requirements: Applications are initially reviewed by a faculty committee using a portfolio approach. In addition to GMAT scores and prior academic performance, letters of recommendation and a personal statement are reviewed to ensure a good "fit" between the student's goals and the department. A recommendation for action is then made to the associate dean in the W. P. Carey School of Business who in turn makes a recommendation to the Graduate College. The Graduate College either admits or denies each applicant and notifies them in writing.

Computer Information Systems (PhD) BAINFSYPHD

W. P. CAREY SCHOOL OF BUSINESS, TEMPE

Contact: <http://www.wpcarey.asu.edu/is> | wpcareyis@asu.edu | BA 301P | 4809653252 | 3806

Official Degree Awarded: Economics PHD Business Administration (Computer and Information Systems)

Program Description: The objective of the PhD in Business Administration with a concentration in information systems is to prepare scholars for careers at leading educational institutions. This program allows students to develop the capability to review, analyze, conduct, and publish research through a series of seminars and additional supporting course work. In addition, PhD students participate in ongoing research projects in conjunction with faculty members in the Department of Information Systems.

Program Requirements: Program of Study

A minimum of 84 semester hours is required for the PhD degree; 12 (and only 12) of these hours must be 799 Dissertation. Of the 84 semester hours, at least 30 hours (which may include research credit) of the approved PhD program and 12 dissertation hours must be completed after admission to the student's PhD program. Students may not apply credit hours earned for a doctoral degree previously awarded at ASU or another institution toward their current ASU doctoral degree. However, at the individual academic unit's discretion, students may apply up to 30 semester hours from a previously awarded master's degree toward their doctoral program of study.

Students work with their program committees to determine an appropriate program of study. Common areas of specialization for doctoral studies include decision support systems, database management systems, artificial intelligence in business, systems analysis and design, distributed information systems, data mining, and IT infusion and human interface.

Comprehensive Examinations

Upon completion of all necessary course work on a student's approved program of study, the academic unit may initiate the scheduling and administering of a student's comprehensive examinations. The comprehensive examination consists of a minimum of a written exam; at the discretion of the academic unit, an oral exam may also be required.

Candidacy

PhD students achieve candidacy status in a letter from the dean of the Graduate College upon:

1. passing the comprehensive examinations; and
2. successfully defending the dissertation prospectus.

Dissertation Requirements

Students are required to present a dissertation to satisfy the research requirement for the PhD degree. The dissertation is defended in an oral examination commonly known as the dissertation defense.

Students must be enrolled for at least one semester hour of credit that appears on the program of study or one hour of appropriate graduate-level credit (such as 795 Continuing Registration) during the semester (including summer session) in which the student defends the dissertation.

NOTE: For detailed information regarding the university's doctoral degree requirements, please refer to the Graduate College's Doctor of Philosophy policy and procedures.

Maximum Time Limit

Doctoral students must complete all program requirements within a ten-year period. The ten-year period starts with the initial enrollment into the doctoral program. In addition, the student must take the final oral examination in defense of the dissertation within five years after passing the comprehensive examinations. Any exception must be approved by the supervisory committee and the dean of the Graduate College and ordinarily involves repetition of the comprehensive examinations.

Admission Requirements: Applications are initially reviewed by a faculty committee using a portfolio approach. In addition to GMAT scores and prior academic performance, letters of recommendation and a personal statement are reviewed to ensure a good "fit" between the student's goals and the department. A recommendation for action is then made to the associate dean in the W. P. Carey School of Business who in turn makes a recommendation to the Graduate College. The Graduate College either admits or denies each applicant and notifies them in writing.

Economics (PhD) BAeconPHD

W. P. CAREY SCHOOL OF BUSINESS, TEMPE

Contact: <http://www.wpcarey.asu.edu/PhDecn> | wpcareyecn@asu.edu | BA 104 | 4809653531 | 3806

Official Degree Awarded: Economics (PhD)

Program Description: The ASU PhD program in Economics is a full-time program intended to prepare students for teaching and research positions at four year institutions of higher education, as well as research positions in public agencies or private business organizations. The PhD program is relatively small in size with about 40 doctoral students in residence at any time. The low student-faculty ratio allows us to provide greater faculty attention and mentoring compared to larger programs. Students are involved in teaching, research, and seminar activities, becoming valued members of the department. Most of our PhD students are supported through teaching and research assistantships for four years. Stipends are highly competitive with any graduate program in the country.

Program Requirements: In addition to completing 60 semester hours of credit beyond the bachelor's degree (30 semester hours beyond the master's degree) and 24 semester hours of research and dissertation credit, the PhD student must accomplish five tasks:

1. meet the qualification requirement,
2. present at least two fields of study,
3. pass the comprehensive examination,
4. pass the dissertation proposal defense, and
5. complete a dissertation with an oral defense.

See the Department of Economics Graduate Student Handbook for details concerning these tasks.

Admission Requirements: All applicants to the Ph.D. program in Economics must have a bachelor's degree or the equivalent. Each applicant must submit an application form, fee and other materials to ASU Graduate College Admissions; an application packet and list of guidelines are available from Graduate Admissions. The Department of Economics requires applicants to send scores from the aptitude portion of the Graduate Record Exam (GRE). Applications will not be reviewed until the GRE score is received. Applicants whose first language is not English must also submit a Test of English as a Foreign Language (TOEFL) score unless he/she received a degree from a U.S. college or university. In addition, all applicants are required to submit three letters of reference to the PhD Program Director, Department of Economics. Our admissions policy weighs several factors including letters of reference, overall GPA, GRE scores, and performance in selected mathematics and economics courses. We have no absolute standards for any of the factors, but performance on each clearly should suggest academic potential that is far above those of the normal undergraduate student. Application deadline for fall admission is January 15.

Finance (PhD) BAFINANPHD

W. P. CAREY SCHOOL OF BUSINESS, TEMPE

Contact: <http://wpcarey.asu.edu/fin> | wpcareyfin@asu.edu | BA 519 | 480/965-3131 | 4906

Official Degree Awarded: Business Administration (Finance) (PhD)

Program Description: The primary objective of the PhD program in Finance is to train students for careers as professors of finance at major research universities. The program provides a challenging course of study in the most recent developments in both the theoretical and empirical aspects of financial economics. This course of study, along with work in economics and statistics, serves as preparation for understanding and critical analysis of current issues in finance.

Program Requirements: Program of Study

A minimum of 84 semester hours is required for the PhD degree; 12 (and only 12) of these hours must be 799 Dissertation. Of the 84 semester hours, at least 30 hours (which may include research credit) of the approved PhD program and 12 dissertation hours must be completed after admission to the student's PhD program. Students may not apply credit hours earned for a doctoral degree previously awarded at ASU or another institution toward their current ASU doctoral degree. However, at the individual academic unit's discretion, students may apply up to 30 semester hours from a previously awarded master's degree toward their doctoral program of study.

Comprehensive Examinations

Upon completion of all necessary course work on a student's approved program of study, the academic unit may initiate the scheduling and administering of a student's comprehensive examination. The comprehensive examination consists of a minimum of a written exam; at the discretion of the academic unit, an oral exam may also be required.

Candidacy

PhD students achieve candidacy status in a letter from the dean of the Graduate College upon:

1. passing the comprehensive examinations; and
2. successfully defending the dissertation prospectus.

Dissertation Requirements

Students are required to present a dissertation to satisfy the research requirement for the PhD degree. The dissertation is defended in an oral examination commonly known as the dissertation defense.

Students must be enrolled for at least one semester hour of credit that appears on the program of study or one hour of appropriate graduate-level credit (such as 795 Continuing Registration) during the semester (including summer session) in which the student defends the dissertation.

NOTE: For detailed information regarding the university's doctoral degree requirements, please refer to the Graduate College's Doctor of Philosophy policy and procedures.

Maximum Time Limit

Doctoral students must complete all program requirements within a ten-year period. The ten-year period starts with the initial enrollment into the doctoral program. In addition, the student must take the final oral examination in defense of the dissertation within five years after passing the comprehensive examinations. Any exception must be approved by the supervisory committee and the dean of the Graduate College and ordinarily involves repetition of the comprehensive examinations.

Admission Requirements: Admission to the PhD in Business Administration with a concentration in finance is granted to applicants who present convincing evidence of high-order analytical skills, intellectual curiosity, and the ability to work independently in pursuing scholarly research. Applicants should possess the intellectual curiosity and discipline required for original inquiry. In addition to the general requirements of the Graduate College, applicants must submit three letters of recommendation, scores from the Graduate Management Admission Test (GMAT), and a brief statement of their career objectives. While many accepted students have an MBA or MS in a business-related field, others have a background in other areas, such as engineering, economics, mathematics, physics, or political science.

Health Sector Management - Evening Program (MHSM) BAEVENMHSM

W. P. CAREY SCHOOL OF BUSINESS, TEMPE

Contact: <http://wpcarey.asu.edu/hap/> | wpcareyhmp@asu.edu | BA 318 | 4809657778 | 4506

Official Degree Awarded: Health Sector Management (Evening) (MHSM)

Program Description: The Master of Health Sector Management (MHSM) is offered in an evening platform with tracks in managerial epidemiology, policy management, and innovation management. In all three tracks, students train in a sophisticated managerial environment integrated with the W. P. Carey MBA programs. There are two platforms for the MHSM degree, the Evening Program (which is completed in two years) and the Evening Accelerated Program (which is completed in 14 months.)

Students in the innovation management track develop an understanding of how a variety of management approaches can be applied to a wide spectrum of healthcare delivery and financing settings. Graduates may seek employment in healthcare delivery organizations such as hospitals, physician group practices, community health centers, long-term care facilities, and home health and hospice agencies, or with financing parties, such as private or public health insurers, or managed care plans.

Students in the managerial epidemiology track learn how to effectively organize and lead epidemiological research efforts. Graduates of the managerial epidemiology track are prepared to participate in the innovation process, working with colleagues to integrate clinical and epidemiological research into business and community practice. Graduates of this program can pursue careers in biotechnology, pharmaceutical, and contract research organizations in which clinical trial design and execution are critical components.

Students in the policy management track develop an understanding of how health policy affects both the business of healthcare and economic health of businesses. Graduates may pursue careers with consulting firms, advocacy organizations, and trade associations where health policy analysis and dissemination are critical components. Graduates may also work in leadership roles in the public sector or in large firms where health policy issues can directly affect the organization.

Program Requirements: The MHSM program requires 48 credit hours (15 from the business core; 24 hours from the healthcare core; six hours of electives; and three hours of internship credit).

Admission Requirements: Applications must be submitted online. For the general requirements, see Admission to the Graduate College. Applicants are required to submit evidence of their ability to pursue a graduate degree program in health sector management successfully. All applicants must submit scores from the GMAT, GRE, DAT, PCAT, or MCAT, but the GMAT is recommended. Licensed physicians with an MD or DO degree from a U.S. medical school are not required to provide a test score.

Applicants to the MHSM program submit one application for the MHSM degree. Two recommendations commenting on the student's motivation, commitment, achievements, work experience, and opportunity for success in the program are required. In addition, applicants are required to submit responses to essay questions listed on the application. For more information, access the Web site at <http://www.wpcarey.asu.edu/shmp>.

Information Management (MS) BAINFOMS

W. P. CAREY SCHOOL OF BUSINESS, TEMPE

Contact: <http://www.wpcarey.asu.edu/is/msim> | wpcareymsim@asu.edu | BA 301P | 4809653252 | 4606

Official Degree Awarded: Information Management (MS)

Program Description: The Master of Science in Information Management is an evening degree program that teaches business people how to manage in an information technology (IT) environment. The program is designed for working professionals in the IT field who recognize the importance of information technology in the competitive, global economy. For more information about this program, access the Web site at <http://wpcarey.asu.edu/is/msim>.

Program Requirements: Management consists of a minimum of 30 semester hours and is continually updated. Access the department's Web site for a list of courses. The program is a 10 course, 30 credit-semester hour program spanning one calendar year. It is a lock-step evening program which begins in Summer only. Students graduate the following May. This program requires an applied project as the culminating experience.

Admission Requirements: All applicants are required to submit the supplemental application materials required by the department. Complete application instructions may be obtained from the department's Web site at <http://wpcarey.asu.edu/is/msim>. Applicants must also submit scores from the Graduate Management Admission Test. International applicants whose native language is not English must submit scores from the Test of English as a Foreign Language.

Management (PhD) BAMGMTPHD

W. P. CAREY SCHOOL OF BUSINESS, TEMPE

Contact: <http://wpcarey.asu.edu/mgt/degree/PhD-program-description.cfm> | delcine.soletski@asu.edu | BA 323 | 480/965-3431 | 4606

Official Degree Awarded: PHD Business Administration (Management)

Program Description: The Department of Management offers students the opportunity to obtain a PhD in Business with a concentration in management. Although management is a broad field, this doctoral program is best suited for students interested in specializing in human resource management, organizational behavior, organizational theory, and/or strategic management. The doctoral program places primary emphasis on the development of research competence and also emphasizes teaching as a vehicle to academic professionalism. The mission of the program is to provide an environment that is conducive to the development of scholars who are prepared to assume the diverse responsibilities of positions at leading research universities.

Program Requirements: Program of Study

A minimum of 84 semester hours is required for the PhD degree; 12 (and only 12) of these hours must be 799 Dissertation. Of the 84 semester hours, at least 30 hours (which may include research credit) of the approved PhD program and 12 dissertation hours must be completed after admission to the student's PhD program. Students may not apply credit hours earned for a doctoral degree previously awarded at ASU or another institution toward their current ASU doctoral degree. However, at the individual academic unit's discretion, students may apply up to 30 semester hours from a previously awarded master's degree toward their doctoral program of study.

Doctoral students are required to commit full-time attention to the program, at least, until they have passed the comprehensive exam and successfully defended the dissertation proposal. Full-time enrollment entails a minimum of six hours of course work in any regular academic semester. To reach a total of 84 semester hours for the program, most students enroll for nine to 12 hours per semester. In addition, students work closely with faculty members, typically by assuming an assistantship appointment. The program is relatively small with an emphasis on high quality, and individual attention and mentoring to all doctoral students.

Comprehensive Examinations

Upon completion of all necessary course work on a student's approved program of study, the academic unit may initiate the scheduling and administering of a student's comprehensive examinations. The comprehensive examination consists of a minimum of a written exam; at the discretion of the academic unit, an oral exam may also be required.

Candidacy

PhD students achieve candidacy status in a letter from the dean of the Graduate College upon:

1. passing the comprehensive examinations; and
2. successfully defending the dissertation prospectus.

Dissertation Requirements

Students are required to present a dissertation to satisfy the research requirement for the PhD degree. The dissertation is defended in an oral examination commonly known as the dissertation defense.

Students must be enrolled for at least one semester hour of credit that appears on the program of study or one hour of appropriate graduate-level credit (such as 795 Continuing Registration) during the semester (including summer session) in which the student defends the dissertation.

NOTE: For detailed information regarding the university's doctoral degree requirements, please refer to the Graduate College's Doctor of Philosophy policy and procedures.

Maximum Time Limit

Doctoral students must complete all program requirements within a ten-year period. The ten-year period starts with the initial enrollment into the doctoral program. In addition, the student must take the final oral examination in defense of the dissertation within five years after passing the comprehensive examinations. Any exception must be approved by the supervisory committee and the dean of the Graduate College and ordinarily involves repetition of the comprehensive examinations.

Admission Requirements: Applications are initially reviewed by a faculty committee using a portfolio approach. In addition to GMAT scores and prior academic performance, letters of recommendation and a personal statement are reviewed to ensure a good "fit" between the student's goals and the department. A recommendation for action is then made to the associate dean in the W. P. Carey School of Business who in turn makes a recommendation to the Graduate College. The Graduate College either admits or denies each applicant and notifies them in writing.

Marketing (PhD) BMARKPHD

W. P. CAREY SCHOOL OF BUSINESS, TEMPE

Contact: <http://www.wpcarey.asu.edu/mkt> | wpcareymkt@asu.edu | BAC 460 | 480/965-3621 | 4906

Official Degree Awarded: Business Administration (Marketing) (PhD)

Program Description: The PhD program is for those students who want to become full-time professors at research-oriented universities. It is not intended for people who want to work in industry positions. It is a full-time program only, and students take all of their courses on-campus, and thus cannot complete the program online.

All students complete a core curriculum, yet tailor their work to achieve personal goals. For those who already hold a master's degree, our program is designed to be completed in four years. For those who hold a bachelor's degree only, the program is designed to be completed in five years.

Program Requirements: **Program of Study**

A minimum of 84 semester hours is required for the PhD degree; 12 (and only 12) of these hours must be 799 Dissertation. Of the 84 semester hours, at least 30 hours (which may include research credit) of the approved PhD program and 12 dissertation hours must be completed after admission to the student's PhD program. Students may not apply credit hours earned for a doctoral degree previously awarded at ASU or another institution toward their current ASU doctoral degree. However, at the individual academic unit's discretion, students may apply up to 30 semester hours from a previously awarded master's degree toward their doctoral program of study.

Comprehensive Examinations

Upon completion of all necessary course work on a student's approved program of study, the academic unit may initiate the scheduling and administering of a student's comprehensive examinations. The comprehensive examination consists of a minimum of a written exam; at the discretion of the academic unit, an oral exam may also be required.

Candidacy

PhD students achieve candidacy status in a letter from the dean of the Graduate College upon:

1. passing the comprehensive examinations; and
2. successfully defending the dissertation prospectus.

Dissertation Requirements

Students are required to present a dissertation to satisfy the research requirement for the PhD degree. The dissertation is defended in an oral examination commonly known as the dissertation defense.

Students must be enrolled for at least one semester hour of credit that appears on the program of study or one hour of appropriate graduate-level credit (such as 795 Continuing Registration) during the semester (including summer session) in which the student defends the dissertation.

NOTE: For detailed information regarding the university's doctoral degree requirements, please refer to the Graduate College's Doctor of Philosophy policy and procedures.

Maximum Time Limit

Doctoral students must complete all program requirements within a ten-year period. The ten-year period starts with the initial enrollment into the doctoral program. In addition, the student must take the final oral examination in defense of the dissertation

within five years after passing the comprehensive examinations. Any exception must be approved by the supervisory committee and the dean of the Graduate College and ordinarily involves repetition of the comprehensive examinations.

Admission Requirements: Applications are initially reviewed by a faculty committee using a portfolio approach. In addition to GMAT scores and prior academic performance, letters of recommendation and a personal statement are reviewed to ensure a good "fit" between the student's goals and the department. A recommendation for action is then made to the associate dean in the W. P. Carey School of Business who in turn makes a recommendation to the Graduate College. The Graduate College either admits or denies each applicant and notifies them in writing.

Supply Chain Management (PhD) BASCMPHD

W. P. CAREY SCHOOL OF BUSINESS, TEMPE

Contact: <http://wpcarey.asu.edu/scm> | wpcareyscm@asu.edu | BA 446 | 480/965-6044 | 4906

Official Degree Awarded: Business Administration (Supply Chain Management) (PhD)

Program Description: The objective of the PhD in Business Administration with a concentration in supply chain management is to prepare scholars to conduct high-quality research and to teach in the field of supply chain management.

During their course of study, students have a variety of experiences that enhance their prospects for success as faculty members at leading institutions of higher education.

Students develop the capability to review, analyze, conduct, and publish research through a series of research seminars and courses that supplement and complement each student's background, abilities, and aspirations. The PhD in Business Administration with a concentration in supply chain management is a full-time residential program.

Program Requirements: **Program of Study**

A minimum of 84 semester hours is required for the PhD degree; 12 (and only 12) of these hours must be 799 Dissertation. Of the 84 semester hours, at least 30 hours (which may include research credit) of the approved PhD program and 12 dissertation hours must be completed after admission to the student's PhD program. Students may not apply credit hours earned for a doctoral degree previously awarded at ASU or another institution toward their current ASU doctoral degree. However, at the individual academic unit's discretion, students may apply up to 30 semester hours from a previously awarded master's degree toward their doctoral program of study.

Students work with their study committees to determine an appropriate program of study. Common areas of functional specialization among doctoral studies include financial and managerial accounting, auditing, information systems, and taxation. With these functional areas, doctoral studies may emphasize experimental or archival research methods. All accountancy doctoral students are required to take a three-semester sequence of accountancy doctoral course work. A maximum of six approved graduate semester hours can be transferred to satisfy program requirements.

Comprehensive Examinations

Upon completion of all necessary course work on a student's approved program of study, the academic unit may initiate the scheduling and administering of a student's comprehensive examinations. The comprehensive examination consists of a minimum of a written exam; at the discretion of the academic unit, an oral exam may also be required.

Candidacy

PhD students achieve candidacy status in a letter from the dean of the Graduate College upon:

1. passing the comprehensive examinations; and
2. successfully defending the dissertation prospectus.

Dissertation Requirements

Students are required to present a dissertation to satisfy the research requirement for the PhD degree. The dissertation is defended in an oral examination commonly known as the dissertation defense.

Students must be enrolled for at least one semester hour of credit that appears on the program of study or one hour of appropriate graduate-level credit (such as 795 Continuing Registration) during the semester (including summer session) in which the student defends the dissertation.

NOTE: For detailed information regarding the university's doctoral degree requirements, please refer to the Graduate College's Doctor of Philosophy policy and procedures.

Maximum Time Limit

Doctoral students must complete all program requirements within a ten-year period. The ten-year period starts with the initial enrollment into the doctoral program. In addition, the student must take the final oral examination in defense of the dissertation within five years after passing the comprehensive examinations. Any exception must be approved by the supervisory committee and the dean of the Graduate College and ordinarily involves repetition of the comprehensive examinations.

Admission Requirements: Applications are initially reviewed by a faculty committee using a portfolio approach. In addition to GMAT scores and prior academic performance, letters of recommendation and a personal statement are reviewed to ensure a good "fit" between the student's goals and the department. A recommendation for action is then made to the associate dean in the W. P. Carey School of Business who in turn makes a recommendation to the Graduate College. The Graduate College either admits or denies each applicant and notifies them in writing.

Taxation (MTax) BATAMTAX

W. P. CAREY SCHOOL OF BUSINESS, TEMPE

Contact: <http://wpcarey.asu.edu/acc/mtax.cfm> | wpcareyacc@asu.edu | BA 223Q | 4809653631 | 3606

Official Degree Awarded: Taxation (MTax)

Program Description: The faculty in the School of Accountancy offer a specialized professional program leading to the Master of Taxation (MTax). The MTax is a specialized degree program designed to equip students with the highly technical and demanding skills required to provide tax and business advice in the private sector and to administer tax laws in the public sector of the economy. The program prepares students for entry-level positions in taxation and provides graduate-level education for tax professionals who desire to enhance their skills.

Program Requirements: The Master of Taxation degree program consists of 30 semester hours; students must pass a written comprehensive examination.

Admission Requirements: All applicants are required to submit an application to the Graduate College online. Complete application instructions may be obtained from the school's Web site.

Students applying to this program must submit scores from the Graduate Management Admission Test. International applicants whose native language is not English must submit scores from the Test of English as a Foreign Language exam. Preference in admission is given to those with degrees in accounting and business, although other exceptional candidates are considered.

W. P. Carey MBA - Custom Corporate Program BACORPMBA

W. P. CAREY SCHOOL OF BUSINESS, TEMPE

Contact: <http://wpcarey.asu.edu/mba/corporate> | wpcarey.exceed@asu.edu | 480/965-8617 | 4906

Official Degree Awarded: W. P. Carey MBA (MBA)

Program Description: The Custom Corporate MBA Program is designed for participants from a single company. Participants are nominated to attend the program by their company, and receive a solid core curriculum, with optional specializations. The Custom Corporate MBA Program offers flexible part time delivery modes, using online, ground, and blended courses. Possible features that can be incorporated into the custom programs are: company-specific applied projects, guest teaching from corporate leaders, and intensive residential sessions.

Program Requirements: The Custom Corporate Program requires that participants be nominated into the program by the sponsoring company. Students must complete a minimum of 48 semester hours which includes the capstone course, MGT 589.

Admission Requirements: Participants must apply to ASU as part of their admission, and meet Graduate College admission requirements and the guidelines established by the Corporate MBA Program.

W. P. Carey MBA - Evening Accelerated Program BAEVEAMBA

W. P. CAREY SCHOOL OF BUSINESS, TEMPE

Contact: <http://www.wpcarey.asu.edu/mba> | wpcareymba@asu.edu | BA 160 | 4809653332 | 4906

Official Degree Awarded: W. P. Carey MBA (MBA)

Program Description: The purpose of the program is to build knowledge and analytic capabilities in the functional areas of business and to develop interpersonal and leadership skills. Essential skills include computing, writing and critical thinking, presentation and speaking, team and group work, interpersonal relations, and time management. There is a strong team emphasis throughout the ASU curriculum.

The MBA program is supported by each of the eight academic units within the W. P. Carey School of Business. Curriculum information can be found online at http://wpcarey.asu.edu/mba/current_students/.

Program Requirements: While there are no business course prerequisites, applicants must have computer proficiency and expertise in using a spreadsheet package, a word processing package, a presentation software package, an e-mail package, and an Internet browser. Potential students must also demonstrate strong quantitative ability, as well as effective written and oral communication skills.

At least 48 semester hours are required to complete the Evening Accelerated program. The core courses are designed to provide a foundation in business knowledge, and skills and must be taken in the prescribed sequence. Elective, specialization, or technical certificate courses build upon the business core and focus on the further development of an area of study. There may be additional requirements that vary by area of study. The program is typically completed in less than two years. Both fall and spring start dates may be available, depending on program.

The school of business does not accept graduate credits earned while students are in nondegree status and/or courses taken prior to admission to the MBA program. Registration in school of business courses numbered 501 and above is limited to students who have been admitted to a graduate degree program, have the approval of the MBA program office, and have the prerequisites of calculus and computer literacy.

Foreign Language Requirements

None.

Thesis Requirements

None.

Comprehensive Examination

All students must successfully complete the comprehensive requirement established by the school of business and Graduate College for the MBA degree. The comprehensive culminating experience is integrated with MGT 589 Strategic Management. Students passing this course with a grade of "B" (3.00) or higher satisfy the comprehensive examination requirement.

Concurrent Degree Programs

For more information, see <http://graduate.asu.edu/dualdegree.html>.

Admission Requirements: All students applying to the Evening Accelerated MBA program are required to take the GMAT. The TOEFL is required of all international applicants whose native language is not English or who are not graduates of an institution located in the United States. The TSE is not required for admission to the MBA program. However, it may be required for a dual degree program. For more information on GMAT, access the Web site at <http://www.mba.com>; for more information on TOEFL and TSE, access the Web site at <http://www.ets.org>.

Students applying to the Evening Accelerated MBA program have at least two years of full-time work experience and should submit three essays for the degree program addressing commitment, goals, qualifications, and reasons for interest in the program. Applicants are to provide letters of recommendation commenting on the student's motivation, commitment, achievements, work experience, and opportunity for success in the program. A personal interview may also be required. In addition to the above data, applicants are to communicate their interest in the program by selecting the appropriate application available online at <http://graduate.asu.edu>.

W. P. Carey MBA - Evening Program BAEVENMBA

W. P. CAREY SCHOOL OF BUSINESS, TEMPE

Contact: <http://www.wpcarey.asu.edu/mba> | wpcareymba@asu.edu | BA 160 | 4809653332 | 4906

Official Degree Awarded: W. P. Carey MBA (MBA)

Program Description: The purpose of the program is to build knowledge and analytic capabilities in the functional areas of business and to develop interpersonal and leadership skills. Essential skills include computing, writing and critical thinking, presentation and speaking, team and group work, interpersonal relations, and time management. There is a strong team emphasis throughout the ASU curriculum.

The MBA program is supported by each of the eight academic units within the W. P. Carey School of Business. Curriculum information can be found online at http://wpcarey.asu.edu/mba/current_students/.

Program Requirements: While there are no business course prerequisites, applicants must have computer proficiency and expertise in using a spreadsheet package, a word processing package, a presentation software package, an e-mail package, and an Internet browser. Potential students must also demonstrate strong quantitative ability, as well as effective written and oral communication skills.

At least 48 semester hours are required to complete the Evening program. The core courses are designed to provide a foundation in business knowledge and skills and must be taken in the prescribed sequence. Elective, specialization, or technical certificate courses build upon the business core and focus on the further development of an area of study. There may be additional requirements that vary by area of study. The program is typically completed in less than two years. Both fall and spring start dates may be available, depending on program.

The school of business does not accept graduate credits earned while students are in nondegree status and/or courses taken prior to admission to the MBA program. Registration in school of business courses numbered 501 and above is limited to students who have been admitted to a graduate degree program, have the approval of the MBA program office, and have the prerequisites of calculus and computer literacy.

Foreign Language Requirements

None.

Thesis Requirements

None.

Comprehensive Examination

All students must successfully complete the comprehensive requirement established by the school of business and Graduate College for the MBA degree. The comprehensive culminating experience is integrated with MGT 589 Strategic Management. Students passing this course with a grade of "B" (3.00) or higher satisfy the comprehensive examination requirement.

Concurrent Degree Programs

For more information, see <http://graduate.asu.edu/dualdegree.html>.

Admission Requirements: All students applying to the Evening MBA program are required to take the GMAT. The TOEFL is required of all international applicants whose native language is not English or who are not graduates of an institution located in the United States. The TSE is not required for admission to the MBA program. However, it may be required for a dual degree program. For more information on GMAT, access the Web site at <http://www.mba.com>; for more information on TOEFL and TSE, access the Web site at <http://www.ets.org>.

Students applying to the Evening MBA program have at least two years of full-time work experience and should submit three essays for the degree program addressing commitment, goals, qualifications, and reasons for interest in the program. Applicants are to provide letters of recommendation commenting on the student's motivation, commitment, achievements, work experience, and opportunity for success in the program. A personal interview may also be required. In addition to the above data, applicants are to communicate their interest in the program by selecting the appropriate application available online at <http://graduate.asu.edu>.

W. P. Carey MBA - Executive Program BAEXECMBA

W. P. CAREY SCHOOL OF BUSINESS, TEMPE

Contact: <http://www.wpcarey.asu.edu/mba/exe> | wpcareymba@asu.edu | BA 160 | 4809653332 | 4906

Official Degree Awarded: W. P. Carey MBA (MBA)

Program Description: The purpose of the program is to build knowledge and analytic capabilities in the functional areas of business and to develop interpersonal and leadership skills. Essential skills include computing, writing and critical thinking, presentation and speaking, team and group work, interpersonal relations, and time management. There is a strong team emphasis throughout the ASU curriculum.

The MBA program is supported by each of the eight academic units within the W. P. Carey School of Business. Curriculum information can be found online at http://wpcarey.asu.edu/mba/current_students/.

Program Requirements: While there are no business course prerequisites, applicants must have computer proficiency and expertise in using a spreadsheet package, a word processing package, a presentation software package, an e-mail package, and an Internet browser. Potential students must also demonstrate strong quantitative ability, as well as effective written and oral communication skills.

At least 48 semester hours are required to complete the executive program. The core courses are designed to provide a foundation in business knowledge and skills, and must be taken in the prescribed sequence. Elective, specialization, or technical certificate courses build upon the business core and focus on the further development of an area of study. There may be additional requirements that vary by area of study. The program is typically completed in less than two years. Both fall and spring start dates may be available, depending on program.

The school of business does not accept graduate credits earned while students are in nondegree status and/or courses taken prior to admission to the MBA program. Registration in school of business courses numbered 501 and above is limited to students who

have been admitted to a graduate degree program, have the approval of the MBA program office, and have the prerequisites of calculus and computer literacy.

Foreign Language Requirements

None.

Thesis Requirements

None.

Comprehensive Examination

All students must successfully complete the comprehensive requirement established by the school of business and Graduate College for the MBA degree. The comprehensive culminating experience is integrated with MGT 589 Strategic Management. Students passing this course with a grade of "B" (3.00) or higher satisfy the comprehensive examination requirement.

Concurrent Degree Programs

For more information, see <http://graduate.asu.edu/dualdegree.html>.

Admission Requirements: The TOEFL is required of all international applicants whose native language is not English or who are not graduates of an institution located in the United States. The TSE is not required for admission to the Executive MBA program. For more information on TOEFL, access the Web site at <http://www.ets.org>.

Applicants should submit three essays for the degree program addressing commitment, goals, qualifications, and reasons for interest in the program. Applicants are to provide letters of recommendation commenting on the student's motivation, commitment, achievements, work experience, and opportunity for success in the program. A personal interview is also required. In addition to the above data, applicants are to communicate their interest in the program by selecting the appropriate application available online at <http://graduate.asu.edu>. Students applying to the Executive MBA Program should have extensive work experience; and usually have seven years experience as mid-level managers.

W. P. Carey MBA - Full-Time Program BAFULLMBA

W. P. CAREY SCHOOL OF BUSINESS, TEMPE

Contact: <http://www.wpcarey.asu.edu/mba> | wpcareymba@asu.edu | BA 160 | 4809653332 | 4906

Official Degree Awarded: W. P. Carey MBA (MBA)

Program Description: The purpose of the program is to build knowledge and analytic capabilities in the functional areas of business and to develop interpersonal and leadership skills. Essential skills include computing, writing and critical thinking, presentation and speaking, team and group work, interpersonal relations, and time management. There is a strong team emphasis throughout the ASU curriculum.

The MBA program is supported by each of the eight academic units within the W. P. Carey School of Business. Curriculum information can be found online at http://wpcarey.asu.edu/mba/current_students/.

Program Requirements: While there are no business course prerequisites, applicants must have computer proficiency and expertise in using a spreadsheet package, a word processing package, a presentation software package, an e-mail package, and an Internet browser. Potential students must also demonstrate strong quantitative ability, as well as effective written and oral communication skills.

At least 48 semester hours are required to complete the Full-Time program. The core courses are designed to provide a foundation in business knowledge and skills, and must be taken in the prescribed sequence. Elective, specialization, or technical

certificate courses build upon the business core and focus on the further development of an area of study. There may be additional requirements that vary by area of study. The program is typically completed in less than two years. Both fall and spring start dates may be available, depending on program.

The school of business does not accept graduate credits earned while students are in nondegree status and/or courses taken prior to admission to the MBA program. Registration in school of business courses numbered 501 and above is limited to students who have been admitted to a graduate degree program, have the approval of the MBA program office, and have the prerequisites of calculus and computer literacy.

Foreign Language Requirements

None.

Thesis Requirements

None.

Comprehensive Examination

All students must successfully complete the comprehensive requirement established by the school of business and Graduate College for the MBA degree. The comprehensive culminating experience is integrated with MGT 589 Strategic Management. Students passing this course with a grade of "B" (3.00) or higher satisfy the comprehensive examination requirement.

Concurrent Degree Programs

For more information, see <http://graduate.asu.edu/dualdegree.html>.

Admission Requirements: All students applying to the Full-Time MBA program are required to take the GMAT. The TOEFL is required of all international applicants whose native language is not English or who are not graduates of an institution located in the United States. The TSE is not required for admission to the MBA program. However, it may be required for a dual degree program or a graduate assistantship. For more information on GMAT, access the Web site at <http://www.mba.com>; for more information on TOEFL and TSE, access the Web site at <http://www.ets.org>.

Students applying to the Full-Time MBA program usually have at least two years of full-time work experience and should submit three essays for the degree program addressing commitment, goals, qualifications, and reasons for interest in the program. Applicants are to provide letters of recommendation commenting on the student's motivation, commitment, achievements, work experience, and opportunity for success in the program. A personal interview may also be required. In addition to the above data, applicants are to communicate their interest in the program by selecting the appropriate application available online at <http://graduate.asu.edu>.

W. P. Carey MBA - Online Program BAONLINMBA

W. P. CAREY SCHOOL OF BUSINESS, TEMPE

Contact: <http://www.wpcarey.asu.edu/mba/online> | wpcareymba@asu.edu | BA 160 | 4809653332 | 4906

Official Degree Awarded: W. P. Carey MBA (MBA)

Program Description: The purpose of the program is to build knowledge and analytic capabilities in the functional areas of business and to develop interpersonal and leadership skills. Essential skills include computing, writing and critical thinking, presentation, team and group work, interpersonal relations, and time management. There is a strong team emphasis throughout the ASU curriculum.

The MBA program is supported by each of the eight academic units within the W. P. Carey School of Business. Curriculum information can be found online at <http://wpcarey.asu.edu/mba/online/program/curriculum.cfm>.

Program Requirements: At least 48 semester hours are required to complete the Online Program. The core courses are designed to provide a foundation in business knowledge and skills and must be taken in the prescribed sequence. The program is typically completed in less than two years. Both fall and spring start dates are available.

The school of business does not accept graduate credits earned while students are in nondegree status and/or courses taken prior to admission to the MBA program. Registration in school of business courses numbered 501 and above is limited to students who have been admitted to a graduate degree program, have the approval of the MBA program office, and have the prerequisites of calculus and computer literacy.

Foreign Language Requirements

None.

Thesis Requirements

None.

Comprehensive Examination

All students must successfully complete the comprehensive requirement established by the school of business and Graduate College for the MBA degree. The comprehensive culminating experience is integrated with MGT 589 Strategic Management. Students passing this course with a grade of "B" (3.00) or higher satisfy the comprehensive examination requirement.

Concurrent Degree Programs

For more information, see <http://graduate.asu.edu/dualdegree.html> or <http://wpcarey.asu.edu/mba/online/program/dual-degree.cfm>.

Admission Requirements: While there are no business course prerequisites, applicants must have computer proficiency and expertise in using a spreadsheet package, a word processing package, a presentation software package, an e-mail package, and an Internet browser. Potential students must also demonstrate strong quantitative ability, as well as effective written and oral communication skills.

All students applying to the online MBA program are required to take the GMAT. The TOEFL is required of all international applicants whose native language is not English or who are not graduates of an institution located in the United States. The TSE is not required for admission to the MBA program. However, it may be required for dual degree programs. For more information on the GMAT, access the Web site at <http://www.mba.com>; for more information on TOEFL and TSE, access the Web site at <http://www.ets.org>.

Students applying to the W. P. Carey Online Program usually have at least two years of full-time work experience and should submit three essays for the degree program addressing commitment, goals, qualifications, and reasons for interest in the program. Applicants are to provide letters of recommendation commenting on the student's motivation, commitment, achievements, work experience, and opportunity for success in the program. A personal interview may also be required. In addition to the above data, applicants are to communicate their interest in the program by selecting the appropriate application available online at <http://graduate.asu.edu>.

W. P. Carey MBA - Shanghai Program BASHANGMBA

W. P. CAREY SCHOOL OF BUSINESS, TEMPE

Contact: <http://wpcarey.asu.edu/china> | wpcareymba@asu.edu | BA 160 | 4809653332 | 4906

Official Degree Awarded: W. P. Carey MBA (MBA)

Program Description: Classes in the W. P. Carey Shanghai executive MBA program, for top Chinese business leaders cosponsored by the W. P. Carey School of Business and the Shanghai National Accounting Institute (SNAI), launched on Sept. 20, 2003.

The Shanghai program is one of the most exciting undertakings of the W. P. Carey School of Business. The vision of the program is to cultivate world-class executives for China's state-owned enterprises and to advance the Sino-U.S. trading relationship. This vision reflects the aspiration of ASU and the W. P. Carey School of Business to play a crucial role in enabling the state of Arizona to deepen its global reach, particularly in the Asia Pacific region.

Program Requirements: The curriculum, consisting of 12 courses and a total of 48 semester hours, is designed to leverage participants' existing strengths in financial management and institutional knowledge in the financial services sector. The curriculum has a strong institutional focus on this sector and at the same time provides intensive knowledge on managerial decision-making and strategic formulation. Accordingly, the curriculum is designed with a strong interdisciplinary focus, while achieving cycle time efficiency. Each course will be delivered in an intensive manner over two consecutive weekends with four full days of face-to-face instruction and supplemented by online instruction materials to enable learning interactions between faculty and participants.

Admission Requirements: All applicants must apply through the Graduate College web application and meet Graduate College admission requirements.

DESIGN, COLLEGE OF

Architecture (MArch) ARARCMARCH

COLLEGE OF DESIGN, TEMPE

Contact: <http://design.asu.edu/> | sala@asu.edu | "CDN 162, Design North Bldg" | 4809653536 | 1605

Official Degree Awarded: Architecture (MArch)

Program Description: The Master of Architecture is the accredited professional degree program at ASU. There are two programs of study available: (1) a two-year program for applicants who have completed the four-year Bachelor of Science in Design (with a major in Architectural Studies) at ASU or an equivalent degree from another school that offers an accredited professional degree in architecture, and (2) a three-plus-year program for applicants with an undergraduate degree in a discipline or field other than architecture. Both programs promote broad areas of knowledge, professional skill, and a social awareness that the architect must command if architecture is to enhance contemporary life and remain an enduring and valid expression of society.

Program Requirements: **Requirements for the Two-Year Program**

The two-year graduate program requires a minimum of 56 semester hours of approved courses and electives and a comprehensive examination. For most students, this program involves an average of 14 semester hours per semester. An internship may be offered as an elective to be taken in the summer before the final year of study. The internship is an honors program individually arranged and approved by the Master of Architecture Committee.

Students who can adequately demonstrate competence through experience or previous academic course work for any of the specific requirements outlined below are encouraged to petition the graduate coordinator for a course substitution.

Typical Program of Study

First Year

Fall

- ADE 521 Advanced Architectural Studio I (5)
- ATE 553 Building Systems III (3)
- ATE 563 Building Structures III (3)
- ATE 598 Sustainability of the Built Environment (3)

Spring

ADE 522 Advanced Architectural Studio II (5)
L/APH 505 Foundation Theory Seminar (3)
ATE 556 Building Development (3)
College of Design Professional elective1 (3)

Second Year

ADE 621 Advanced Architectural Studio III (5)
AAD 515 Current Issues and Topics (3)
College of Design Professional elective 1 (3)
ADE 622 Advanced Architectural Studio IV (3)
L/AAD 652 Architectural Management II (3)
College of Design Professional elective 1 (3)
Approved Elective 2 (3)

1 The list of College of Design electives can be found on the school's website: www.design.asu.edu

2 Elective can be taken outside the college with graduate coordinator approval

Requirements for the Three-Plus Year Program

The three-plus-year graduate program requires a minimum of 78 semester hours of graduate-level course work and 24 semester hours of deficiency course work, which make up the total number of 102 semester hours of approved courses and electives, and a comprehensive examination. For most students, this program involves 15 semester hours in the first summer and 14 to 15 semester hours in each of the subsequent six semesters. A summer internship is required after the first full year of study. A second internship may be offered as an elective to be taken in the summer before the final year of study. The second internship is an honors program individually arranged and approved by the Master of Architecture Committee.

Students who can adequately demonstrate previous academic course work for any of the deficiencies are encouraged to petition the graduate coordinator for a course substitution.

Typical Program of Study

Master of Architecture Program (3+ Year)

Program of Study and Checksheet

Note: Bolded courses are considered deficiencies and do not count toward official program of study.

First Year

Summer

ADE 510 Foundation Architectural Studio (6)
ALA 102 Architecture, Landscape Architecture and society (1st five week session) (3)
ALA 236 Computers in LA (1st five week session) (3)
APH 509 Foundation Seminar (2nd five week session) (3)

Admission Requirements: Applicants to the two-year program must:

- Hold a baccalaureate or graduate degree from a college or university recognized by ASU.
- have completed a four-year Bachelor of Science degree with a major in Architectural Studies or similar preprofessional degree in architecture. The undergraduate degree must be granted by an institution that offers the National Architectural Accreditation Board (NAAB) accredited degree program in architecture.
- meet the minimum GPA requirements as established by the Graduate College.
- provide official copy of GRE scores (unofficial copies will not be accepted). For more information on the GRE: (<http://www.gre.org>, or if you live near ASU, <http://www.asu.edu/uts>). The School of Architecture and Landscape

Architecture does not have a minimum score for admissions; however, the average scores of admitted students are between 500-600 for each section.

In addition to the above requirements, international students are required to submit an official TOEFL score (<http://www.TOEFL.org>). The minimum score for admission to the program is 100 (Internet), 250 (computer-based), or 600 (paper-based). Other information for International applicants can be found on the Graduate College Web site <http://www.asu.edu/graduate/international/index.htm>.

Admission to the Master of Architecture program is selective, and the Master of Architecture program does not defer admission. Students must enroll in the semester for which they are admitted otherwise they will need to go through the entire application process again for the year in which they are applying.

Applicants may be admitted to the two-year program with deficiencies if their previous course work is not equivalent to the ASU undergraduate requirements and standards. Deficiencies must be completed prior to taking the required course(s) if necessary. Please keep in mind that this may cause the student to take longer than two years to complete the program.

A personal interview is not required; however, a candidate wishing to visit the school is welcome and should make arrangements by contacting the department.

Applicants to the three-year-plus program must:

- Applicants must hold a baccalaureate or graduate degree from a college or university recognized by ASU.
- Applicants must have earned a bachelors degree in a field other than architectural studies leading to the NAAB accredited program.
- Applicants must meet the minimum GPA requirements as established by the Graduate College.
- Official copy of GRE scores (unofficial copies will not be accepted). For more information on the GRE: (<http://www.gre.org>, or if you live near ASU, <http://www.asu.edu/uts>). The School of Architecture and Landscape Architecture does not have a minimum score for admissions; however, the average scores of admitted students are between 500-600 for each section.

In addition to the above requirements, international students are required to submit an official TOEFL score (<http://www.TOEFL.org>). The minimum score for admission to the program is 100 (Internet), 250 (computer-based), or 600 (paper-based). Other information for International applicants can be found on the Graduate College Web site <http://www.asu.edu/graduate/international/index.htm>.

Admission to the Master of Architecture program is selective, and the Master of Architecture program does not defer admission. Students must enroll in the semester for which they are admitted otherwise they will need to go through the entire application process again for the year in which they are applying.

A personal interview is not required; however, a candidate wishing to visit the school is welcome and should make arrangements by contacting.

Additional Master of Architecture Three-plus Program Requirements

Applicants should write their name in a clear and consistent manner on all materials submitted, preferably in the “family name, first name” format (e.g. Smith, John).

Statement of Intent. A personal narrative (maximum 600 words or two pages typed) indicating the applicant's interest, previous academic and practical background, as well as personal and professional educational objectives.

Letters of Recommendation. A minimum of three letters of recommendation in support of the applicant must be mailed directly to the Graduate Admissions Committee, School of Architecture and Landscape Architecture. The references should be from professionals or educators familiar with the applicant's experience and capability for graduate work.

Creative Works Portfolio. Candidates applying for the Three-plus year Master of Architecture program must also provide a portfolio of creative works. See the portfolio requirements outlined on the College of Design website for more information. Submit the statement of intent, recommendation letters, creative works portfolio, and the contact information sheet to the following address:

Master of Architecture Admissions Committee
School of Architecture and Landscape Architecture
Arizona State University
PO Box 871605
College of Design North, room 162
Tempe, AZ 85287-1605

Please submit your online application and fees, test scores (GRE or TOEFL), and official transcripts from all post-secondary institutions directly to the Graduate College.

Application Deadlines

All materials must be received by the School of Architecture and Landscape Architecture and the Graduate College by January 15 for summer semester consideration. Priority will be given to students who have submitted all the required application materials to both the Graduate College and the School of Architecture and Landscape Architecture by deadline of January 15. The Master of Architecture (three-plus) program does not admit students for the spring semester of fall semester.

Building Design: Energy Performance/Climate Responsive Architecture (MS) ARENERGYMS

COLLEGE OF DESIGN, TEMPE

Contact: <http://design.asu.edu/> | sala@asu.edu | CDN 162 | 4809653536 | 1605

Official Degree Awarded: Building Design (Energy Performance and Climate Responsive Architecture) (MS)

Program Description: The Building Design MS degree program with a concentration in energy performance and climate-responsive architecture educates students to become experts in energy efficient design and technology. The program is concerned with the relationships between climate and site, thermal and visual comfort, and energy demand and consumption. Courses in this concentration establish a basic core of knowledge of the principles of the natural energies available at the building boundary due to climate and site; thermal and optic behavior of building materials and components; passive and low-energy architectural systems for heating, cooling, and lighting; and appropriate integration with mechanical systems. Additional courses are available to support advanced study and research in a variety of related specialties.

Program Requirements: **First Year**

Fall

ANP 500 Research Methods (3)
ATE 521 Building Environmental Science (3)
*ATE 591 -Seminar-Energy and Climate I (1)
*EET 598 -Intro to Photovoltaic (3)

Spring

ATE 560-Building Energy Analysis (3)
ATE 562 -Experimental Evaluation(3)
ATE 582 -Environmental Control Systems (3)

Second Year

Fall

ADE 621 Advanced Architecture Studio (5)
*ATE 598 Energy Analysis II (3)
ATE 691 Seminar- Energy and Climate III (1)

Spring

ATE 550 Passive Heating and Cooling (3)
ATE 599 Thesis (6)

Minimum Total 30

*These are not required courses for the degree; however they are recommended electives.

Admission Requirements: Applicants to the program must:

- Submit an online Graduate College application.
- Have a previous five-or-six-year NAAB (National Architectural Board) accredited degree in Architecture (BArch or MArch) degree.
- Hold a baccalaureate or graduate degree from a college or university recognized by ASU.
- Meet the minimum GPA requirements as established by the Graduate College.
- Provide official copy of GRE scores (unofficial copies will not be accepted). For more information on the GRE: (<http://www.gre.org>, or if you live near ASU, <http://www.asu.edu/uts>). The School of Architecture and Landscape Architecture does not have a minimum score for admissions; however, the average scores of admitted students are between 500-600 for each section.

In addition to the above requirements, international students are required to submit an official TOEFL score (<http://www.TOEFL.org>). The minimum score for admission to the program is 100 (Internet), 250 (computer-based), or 600 (paper-based). Other information for International applicants can be found on the Graduate College website <http://www.asu.edu/graduate/international/index.htm>.

Admission to the program is selective, and the Master of Science in Building Design program does not defer admission. Students must enroll in the semester for which they are admitted otherwise they will need to go through the entire application process again for the year in which they are applying.

A personal interview is not required; however, a candidate wishing to visit the school is welcome and should make arrangements by contacting the department.

Additional Admission Requirements

Applicants should write their name in a clear and consistent manner on all materials submitted, preferably in the “family name, first name” format (e.g. Smith, John).

Statement of Intent. A personal narrative (maximum 600 words or two-pages typed) indicating the applicant's interest, previous academic and practical background, as well as personal and professional educational objectives.

Letters of Recommendation. A minimum of three letters of recommendation in support of the applicant must be mailed directly to the Graduate Admissions Committee, School of Architecture and Landscape Architecture. The references should be from professionals or educators familiar with the applicant's experience and capability for graduate work.

Portfolio. Candidates applying for the MS in Building Design program must also provide a portfolio. See the portfolio requirements outlined on the College of Design Web site for more information.

Submit the statement of intent, recommendation letters, portfolio, and the contact information sheet to the following address:

Master of Science in Building Design Admissions Committee

School of Architecture and Landscape Architecture
Arizona State University
PO Box 871605
College of Design North, room 162
Tempe, AZ 85287-1605

Please submit your online application and fee, test scores (GRE or TOEFL), and official transcripts from all post-secondary institutions directly to the Graduate College.

Application Deadlines

All materials must be received by the School of Architecture and Landscape Architecture and the Graduate College by January 15 for summer semester consideration. Priority will be given to students who have submitted all the required application materials to both the Graduate College and the School of Architecture and Landscape Architecture by deadline of January 15. The Master of Science in Building Design program does not admit students for the spring semester of fall semester.

Applications for assistantships and scholarships are generally considered at the same time as the application.

Design (Arts, Media and Engineering) (MSD) ARDESAMMSD

COLLEGE OF DESIGN, TEMPE

Contact: <http://www.design.asu.edu/msd> | design.grad@asu.edu | CDN 162 | 480/965-7007 | 2105

Official Degree Awarded: Design (Arts, Media and Engineering) (MSD)

Program Description: The MSD with a concentration in arts, media and engineering is meant for individuals who wish to be at the forefront of design and development in those overlapping areas among arts, media and engineering. The concentration provides the opportunity to span the breath of experimental media, from the more creative aspects to that part which is more quantitative, and everything in between. The concentration prepares a student for work with companies at the leading edge of media development.

Program Requirements: This program requires 36 credits and a thesis or 36 credits and an applied project. Students may choose to complete their graduate work by way of a thesis or an applied project. A master's thesis is a scholarly endeavor that demonstrates the ability of the author to do supervised research and intellectual writing. The applied project is somewhat different. It includes both a project and a written document and is a scholarly endeavor that demonstrates the ability of the designer to do supervised research and present substantial evidence of the ability to apply research creatively to a design situation.

Admission Requirements: Applicants to the MSD Program must hold a baccalaureate degree in Graphic Design, Industrial Design, Interior Design, or a related design discipline. When applying for admission, applicants must declare one of seven concentrations: Healthcare and healing environments, new product innovation, interactive design, arts/media/engineering, visual communication design, industrial design, or interior design. Further information can be found in the program description on the admissions Web page at <http://www.design.asu.edu/msd/admission.shtml>.

Applicants must file separate application materials to both the Graduate College and the MSD Program.

MSD Program Requirements

- A 3.00 or higher baccalaureate grade point average is required for application.
- Minimum TOEFL score of 550 on paper-based test or 213 on computer-based test is required of international students whose native language is not English.

Submit the following materials to:

MSD Program
COLLEGE OF DESIGN
ARIZONA STATE UNIVERSITY

PO BOX 872105
TEMPE AZ 85287-2105

1. A mandatory statement of intent form found on the admissions website listed above (maximum 600 words;) which must include the following points:
 - Specify intended concentration: Healthcare and Healing Environments, New Product Innovation, Interactive Design, Visual Communication Design, Industrial Design, Interior Design, or Arts/Media/Engineering.
 - Discuss proposed research topic. What will be your research focus? Why is this research important to you, the design community, and the general population?
 - Specify a proposed mentor for intended research. Faculty biographies can be found on the website at design.asu.edu/msd/faculty.shtml.
 - Discuss personal academic background and professional experience that has prepared you for or will support your proposed research topic.
2. Three recommendation forms (found on the admissions Web site listed above) from persons who are qualified to comment on your potential in the selected area of study. Students must have the recommender use the recommendation form. Students have two options to return letters of recommendation: 1) have the recommender mail in the letter to the MSD program or 2) submit letters with a complete application packet; letters must be sealed and the recommender's signature must be across the seal in ink.
3. An additional statement from applicants wishing to be considered for teaching or research assistantships outlining areas in which they feel competent to serve as a teaching or research assistant and inexpensive copies of samples of work that will not be returned (international students who wish to be considered for a teaching assistantship and whose first language is not English are required to pass the Test of Spoken English [TSE] or the SPEAK test.
 - The TSE is administered by TOEFL/TSE Services, (PO Box 6151, Princeton, NJ, 08541-6151, USA) and can be taken in your home country (or US). Ask to have the score sent directly to the MSD Program at the above address.
 - The SPEAK test is the local version of the TSE, authorized by Educational Testing Services (ETS) and administered on campus through the American English and Culture Program (AECF) at ASU. It is an oral proficiency exam.
4. An 8.5" x 11" portfolio documenting papers and imaginative projects that support the intended concentration and demonstrate drawing, rendering, graphic and modeling skills.

The portfolio is returned after final admission procedures, provided sufficient prepaid postage is enclosed, or if the materials are claimed in person within one year of submission. Unclaimed portfolios are retained for only one year.

The MSD Program assumes no liability for lost or damaged materials. **IMPORTANT NOTE:** Items 1 to 4 above must be sent to the MSD Program address. **DO NOT** send these materials to the Graduate College. If these materials are sent to any other area other than the MSD Program, they will not be reviewed and your application will be denied.

C. Application Deadlines

Primary consideration is given to completed applications received by the deadline. Applications for assistantships and scholarships normally are considered at the same time, but positions will not be filled until July.

The Graduate College and the MSD Program must receive all materials by January 15 to be considered for the following fall semester. Please note that the MSD program only accepts fall admission.

D. Selection Procedures and Notifications

The faculty evaluates the applications and supporting materials and recommends to the Graduate College whether the applicant should be granted regular or provisional admission or if admission should be denied. If admission is provisional, the Graduate College specifies in its letter of admission the provisions to be met to gain regular status. The MSD Program informs successful applicants of the procedures for enrollment.

E. Foreign Language Requirements

None.

F. Thesis or Applied Project

For students choosing the thesis option, six semester hours of DSC 599 Thesis apply toward the thesis. Guidelines in the Format Manual must be followed. For students choosing the applied project option, six hours of DSC 593 Applied Project apply.

You can find more information about the Thesis/Dissertation at the Graduate College Web site.

G. Final Examinations

An oral examination in defense of the thesis or applied project is required for all students in the MSD Program. Graduation Deadlines and Procedures can be found on the Graduate College Web site.

Design (Interaction Design) (MSD) ARDSCIMSD

COLLEGE OF DESIGN, TEMPE

Contact: <http://design.asu.edu/msd/concentrations.shtml> | design.grad@asu.edu | CDN 162 | 480/965-7007 | 2105

Official Degree Awarded: Design (Interaction Design) (MSD)

Program Description: Interaction design is about people: How people connect through products and services. The interaction design concentration focuses on the study of principles, tools, complexities, and change that prepare students for endeavors such as creating effective physical and virtual shopping, creating effective information retrieval systems, and numerous such human-spatial interactions. Design principles guide the students in the methods of creating dynamic, expressive, and communicative forms.

Program Requirements: This program requires 36 semester hours and a thesis or 36 hours and an applied project. Students may choose to complete their graduate work by way of a thesis or an applied project. A master's thesis is a scholarly endeavor that demonstrates the ability of the author to do supervised research and intellectual writing. The applied project is somewhat different. It includes both a project and a written document and is a scholarly endeavor that demonstrates the ability of the designer to do supervised research and present substantial evidence of the ability to apply research creatively to a design situation.

Admission Requirements: Applicants to the MSD Program must hold a baccalaureate degree in Graphic Design, Industrial Design, Interior Design, or a related design discipline. When applying for admission, applicants must declare one of seven concentrations: Healthcare and healing environments, new product innovation, interactive design, arts/media/engineering, visual communication design, industrial design, or interior design. Further information can be found in the program description on the admissions Web page at <http://www.design.asu.edu/msd/admission.shtml>.

Applicants must file separate application materials to both the Graduate College and the MSD Program.

MSD Program Requirements

- A 3.00 or higher baccalaureate grade point average is required for application.
- Minimum TOEFL score of 550 on paper-based test or 213 on computer-based test is required of international students whose native language is not English.

Submit the following materials to:

MSD Program
COLLEGE OF DESIGN
ARIZONA STATE UNIVERSITY
PO BOX 872105
TEMPE AZ 85287-2105

1. A mandatory statement of intent form found on the admissions website listed above (maximum 600 words;) which must include the following points:
 - Specify intended concentration: Healthcare and Healing Environments, New Product Innovation, Interactive Design, Visual Communication Design, Industrial Design, Interior Design, or Arts/Media/Engineering.
 - Discuss proposed research topic. What will be your research focus? Why is this research important to you, the design community, and the general population?
 - Specify a proposed mentor for intended research. Faculty biographies can be found on the website at design.asu.edu/msd/faculty.shtml.
 - Discuss personal academic background and professional experience that has prepared you for or will support your proposed research topic.
2. Three recommendation forms (found on the admissions Web site listed above) from persons who are qualified to comment on your potential in the selected area of study. Students must have the recommender use the recommendation form. Students have two options to return letters of recommendation: 1) have the recommender mail in the letter to the MSD program or 2) submit letters with a complete application packet; letters must be sealed and the recommender's signature must be across the seal in ink.
3. An additional statement from applicants wishing to be considered for teaching or research assistantships outlining areas in which they feel competent to serve as a teaching or research assistant and inexpensive copies of samples of work that will not be returned (international students who wish to be considered for a teaching assistantship and whose first language is not English are required to pass the Test of Spoken English [TSE], the SPEAK test, or have a score of 24 or higher on the iBT TOEFL in the speaking section.
 - The TSE is administered by TOEFL/TSE Services, (PO Box 6151, Princeton, NJ, 08541-6151, USA) and can be taken in your home country (or US). Ask to have the score sent directly to the MSD Program at the above address.
 - The SPEAK test is the local version of the TSE, authorized by Educational Testing Services (ETS) and administered on campus through the American English and Culture Program (AECF) at ASU. It is an oral proficiency exam.
4. An 8.5" x 11" portfolio documenting papers and imaginative projects that support the intended concentration and demonstrate drawing, rendering, graphic and modeling skills.

The portfolio is returned after final admission procedures, provided sufficient prepaid postage is enclosed, or if the materials are claimed in person within one year of submission. Unclaimed portfolios are retained for only one year.

The MSD Program assumes no liability for lost or damaged materials. **IMPORTANT NOTE:** Items 1 to 4 above must be sent to the MSD Program address. **DO NOT** send these materials to the Graduate College. If these materials are sent to any other area other than the MSD Program, they will not be reviewed and your application will be denied.

C. Application Deadlines

Primary consideration is given to completed applications received by the deadline. Applications for assistantships and scholarships normally are considered at the same time, but positions will not be filled until July.

The Graduate College and the MSD Program must receive all materials by January 15 to be considered for the following fall semester. Please note that the MSD program only accepts fall admission.

D. Selection Procedures and Notifications

The faculty evaluates the applications and supporting materials and recommends to the Graduate College whether the applicant should be granted regular or provisional admission or if admission should be denied. If admission is provisional, the Graduate College specifies in its letter of admission the provisions to be met to gain regular status. The MSD Program informs successful applicants of the procedures for enrollment.

E. Foreign Language Requirements

None.

F. Thesis or Applied Project

For students choosing the thesis option, six semester hours of DSC 599 Thesis apply toward the thesis. Guidelines in the Format Manual must be followed. For students choosing the applied project option, six hours of DSC 593 Applied Project apply.

You can find more information about the Thesis/Dissertation at the Graduate College Web site.

G. Final Examinations

An oral examination in defense of the thesis or applied project is required for all students in the MSD Program. Graduation Deadlines and Procedures can be found on the Graduate College Web site.

Design (New Product Innovation) (MSD) ARDSCNMSD

COLLEGE OF DESIGN, TEMPE

Contact: <http://www.design.asu.edu/msd/index.shtml> | design.grad@asu.edu | CDN 162 | 480/965-7007 | 2105

Official Degree Awarded: Design (New Product Innovation) (MSD)

Program Description: The Master of Science in Design program with a concentration in new product innovation is a research-oriented graduate degree. In this degree program, students will apply the concepts learned in the core and required courses through the execution of an applied project, which could be the design and development of a new product, a new method of doing design research, new design guidelines for Medical devices, etc. The focus is on application, and the student will present evidence of knowledge in principles of new product innovation, strategy for implementation, or methods of design evaluation. Students will present the projects through a design presentation, executive summary and project document.

Program Requirements: This is a 36 semester hour, project-based concentration that teaches graduate students about the role of design and innovation in the process of new product development within the context of a quickly evolving global economy.

Students complete their graduate work with an applied project. It includes both a project and a written document and is a scholarly endeavor that demonstrates the ability of the designer to do supervised research and present substantial evidence of the ability to creatively apply research to a design opportunity.

Admission Requirements: Applicants to the MSD Program must hold a baccalaureate degree in Graphic Design, Industrial Design, Interior Design, or a related design discipline. When applying for admission, applicants must declare one of seven concentrations: Healthcare and healing environments, new product innovation, interactive design, arts/media/engineering, visual communication design, industrial design, or interior design. Further information can be found in the program description on the admissions Web page at <http://www.design.asu.edu/msd/admission.shtml>.

Applicants must file separate application materials to both the Graduate College and the MSD Program.

MSD Program Requirements

- A 3.00 or higher baccalaureate grade point average is required for application.
- Minimum TOEFL score of 550 on paper-based test or 213 on computer-based test is required of international students whose native language is not English.

Submit the following materials to:

MSD Program
COLLEGE OF DESIGN
ARIZONA STATE UNIVERSITY

PO BOX 872105
TEMPE AZ 85287-2105

5. A mandatory statement of intent form found on the admissions website listed above (maximum 600 words;) which must include the following points:
 - Specify intended concentration: Healthcare and Healing Environments, New Product Innovation, Interactive Design, Visual Communication Design, Industrial Design, Interior Design, or Arts/Media/Engineering.
 - Discuss proposed research topic. What will be your research focus? Why is this research important to you, the design community, and the general population?
 - Specify a proposed mentor for intended research. Faculty biographies can be found on the website at design.asu.edu/msd/faculty.shtml.
 - Discuss personal academic background and professional experience that has prepared you for or will support your proposed research topic.
6. Three recommendation forms (found on the admissions Web site listed above) from persons who are qualified to comment on your potential in the selected area of study. Students must have the recommender use the recommendation form. Students have two options to return letters of recommendation: 1) have the recommender mail in the letter to the MSD program or 2) submit letters with a complete application packet; letters must be sealed and the recommender's signature must be across the seal in ink.
7. An additional statement from applicants wishing to be considered for teaching or research assistantships outlining areas in which they feel competent to serve as a teaching or research assistant and inexpensive copies of samples of work that will not be returned (international students who wish to be considered for a teaching assistantship and whose first language is not English are required to pass the Test of Spoken English [TSE], the SPEAK test, or have a score of 24 or higher on the iBT TOEFL in the speaking section.
 - The TSE is administered by TOEFL/TSE Services, (PO Box 6151, Princeton, NJ, 08541-6151, USA) and can be taken in your home country (or US). Ask to have the score sent directly to the MSD Program at the above address.
 - The SPEAK test is the local version of the TSE, authorized by Educational Testing Services (ETS) and administered on campus through the American English and Culture Program (AECF) at ASU. It is an oral proficiency exam.
8. An 8.5" x 11" portfolio documenting papers and imaginative projects that support the intended concentration and demonstrate drawing, rendering, graphic and modeling skills.

The portfolio is returned after final admission procedures, provided sufficient prepaid postage is enclosed, or if the materials are claimed in person within one year of submission. Unclaimed portfolios are retained for only one year.

The MSD Program assumes no liability for lost or damaged materials. **IMPORTANT NOTE:** Items 1 to 4 above must be sent to the MSD Program address. **DO NOT** send these materials to the Graduate College. If these materials are sent to any other area other than the MSD Program, they will not be reviewed and your application will be denied.

C. Application Deadlines

Primary consideration is given to completed applications received by the deadline. Applications for assistantships and scholarships normally are considered at the same time, but positions will not be filled until July.

The Graduate College and the MSD Program must receive all materials by January 15 to be considered for the following fall semester. Please note that the MSD program only accepts fall admission.

D. Selection Procedures and Notifications

The faculty evaluates the applications and supporting materials and recommends to the Graduate College whether the applicant should be granted regular or provisional admission or if admission should be denied. If admission is provisional, the Graduate College specifies in its letter of admission the provisions to be met to gain regular status. The MSD Program informs successful applicants of the procedures for enrollment.

E. Foreign Language Requirements

None.

F. Thesis or Applied Project

For students choosing the thesis option, six semester hours of DSC 599 Thesis apply toward the thesis. Guidelines in the Format Manual must be followed. For students choosing the applied project option, six hours of DSC 593 Applied Project apply.

You can find more information about the Thesis/Dissertation at the Graduate College Web site.

G. Final Examinations

An oral examination in defense of the thesis or applied project is required for all students in the MSD Program. Graduation Deadlines and Procedures can be found on the Graduate College Web site.

Design (Visual Communication Design) (MSD) ARVCDMSD

COLLEGE OF DESIGN, TEMPE

Contact: <http://design.asu.edu> | design.grad@asu.edu | CDN 162 | 480/965-7007 | 2105

Official Degree Awarded: Design (Visual Communication Design) (MSD)

Program Description: The MSD with a concentration in visual communication design is meant for individuals interested in advanced studies in visual language, history, theory, criticism and methodology, design processes, and technology. This concentration develops an understanding of contemporary graphic design issues through specialized research and design skills. It also prepares the graduate student for a career in graphic design education.

Program Requirements: This program requires 36 semester hours and a thesis or 36 hours and an applied project. Students may choose to complete their graduate work by way of a thesis or an applied project. A master's thesis is a scholarly endeavor that demonstrates the ability of the author to do supervised research and intellectual writing. The applied project is somewhat different. It includes both a project and a written document and is a scholarly endeavor that demonstrates the ability of the designer to do supervised research and present substantial evidence of the ability to apply research creatively to a design situation.

Admission Requirements: Applicants to the MSD Program must hold a baccalaureate degree in Graphic Design, Industrial Design, Interior Design, or a related design discipline. When applying for admission, applicants must declare one of seven concentrations: Healthcare and healing environments, new product innovation, interactive design, arts/media/engineering, visual communication design, industrial design, or interior design. Further information can be found in the program description on the admissions Web page at <http://www.design.asu.edu/msd/admission.shtml>.

Applicants must file separate application materials to both the Graduate College and the MSD Program.

MSD Program Requirements

- A 3.00 or higher baccalaureate grade point average is required for application.
- Minimum TOEFL score of 550 on paper-based test or 213 on computer-based test is required of international students whose native language is not English.

Submit the following materials to:

MSD Program
COLLEGE OF DESIGN

ARIZONA STATE UNIVERSITY
PO BOX 872105
TEMPE AZ 85287-2105

1. A mandatory statement of intent form found on the admissions website listed above (maximum 600 words;) which must include the following points:
 - Specify intended concentration: Healthcare and Healing Environments, New Product Innovation, Interactive Design, Visual Communication Design, Industrial Design, Interior Design, or Arts/Media/Engineering.
 - Discuss proposed research topic. What will be your research focus? Why is this research important to you, the design community, and the general population?
 - Specify a proposed mentor for intended research. Faculty biographies can be found on the website at design.asu.edu/msd/faculty.shtml.
 - Discuss personal academic background and professional experience that has prepared you for or will support your proposed research topic.
2. Three recommendation forms (found on the admissions Web site listed above) from persons who are qualified to comment on your potential in the selected area of study. Students must have the recommender use the recommendation form. Students have two options to return letters of recommendation: 1) have the recommender mail in the letter to the MSD program or 2) submit letters with a complete application packet; letters must be sealed and the recommender's signature must be across the seal in ink.
3. An additional statement from applicants wishing to be considered for teaching or research assistantships outlining areas in which they feel competent to serve as a teaching or research assistant and inexpensive copies of samples of work that will not be returned (international students who wish to be considered for a teaching assistantship and whose first language is not English are required to pass the Test of Spoken English [TSE], the SPEAK test, or have a score of 24 or higher on the iBT TOEFL in the speaking section.
 - The TSE is administered by TOEFL/TSE Services, (PO Box 6151, Princeton, NJ, 08541-6151, USA) and can be taken in your home country (or US). Ask to have the score sent directly to the MSD Program at the above address.
 - The SPEAK test is the local version of the TSE, authorized by Educational Testing Services (ETS) and administered on campus through the American English and Culture Program (AECF) at ASU. It is an oral proficiency exam.
4. An 8.5" x 11" portfolio documenting papers and imaginative projects that support the intended concentration and demonstrate drawing, rendering, graphic and modeling skills.

The portfolio is returned after final admission procedures, provided sufficient prepaid postage is enclosed, or if the materials are claimed in person within one year of submission. Unclaimed portfolios are retained for only one year.

The MSD Program assumes no liability for lost or damaged materials. **IMPORTANT NOTE:** Items 1 to 4 above must be sent to the MSD Program address. **DO NOT** send these materials to the Graduate College. If these materials are sent to any other area other than the MSD Program, they will not be reviewed and your application will be denied.

C. Application Deadlines

Primary consideration is given to completed applications received by the deadline. Applications for assistantships and scholarships normally are considered at the same time, but positions will not be filled until July.

The Graduate College and the MSD Program must receive all materials by January 15 to be considered for the following fall semester. Please note that the MSD program only accepts fall admission.

D. Selection Procedures and Notifications

The faculty evaluates the applications and supporting materials and recommends to the Graduate College whether the applicant should be granted regular or provisional admission or if admission should be denied. If admission is provisional, the Graduate

College specifies in its letter of admission the provisions to be met to gain regular status. The MSD Program informs successful applicants of the procedures for enrollment.

E. Foreign Language Requirements

None.

F. Thesis or Applied Project

For students choosing the thesis option, six semester hours of DSC 599 Thesis apply toward the thesis. Guidelines in the Format Manual must be followed. For students choosing the applied project option, six hours of DSC 593 Applied Project apply.

You can find more information about the Thesis/Dissertation at the Graduate College Web site.

G. Final Examinations

An oral examination in defense of the thesis or applied project is required for all students in the MSD Program. Graduation Deadlines and Procedures can be found on the Graduate College Web site.

Environmental Design/Planning (PhD) ARENVDEPHD

COLLEGE OF DESIGN, TEMPE

Contact: <http://design.asu.edu/PhD> | design.grad@asu.edu | CDN 162 | 480/965-7007 | 1905

Official Degree Awarded: Environmental Design/Planning (PhD)

Program Description: The PhD degree in Environmental Design and Planning is an individualized college-wide interdisciplinary degree that integrates graduate courses and faculty research expertise with concentrations in design; planning; or history, theory and criticism. The program is at the cutting edge of creating new knowledge in architecture, design and planning. It complements interdisciplinary research in other disciplines within the university. Broad in scope, the program involves multidisciplinary research interests at both micro- and macro-scale levels of design and planning. The program provides research experience for students wishing to pursue careers in industry as members of interdisciplinary design and planning teams on environmental and energy issues, as well as for those wishing to teach in the architecture, design, or planning fields.

Program Requirements: Students must be thoroughly familiar with design and planning and are expected to demonstrate a high level of academic maturity before being admitted to the program. This program requires 84 credit hours, a dissertation, and written and oral comprehensive exams. Up to 30 credit hours from a previously awarded master's degree can count towards the requirements of the PhD program.

Of the 54 semester hours, 12 must be dissertation credit and 12 may be research. These 24 hours plus the remaining 30 hours must be completed after admission to the PhD program. No transfer credits are allowed to fulfill the 54-semester-hour minimum requirement completed after admission to the PhD program.

The student is required to take 15 semester hours in the area of concentration, and a minimum of nine semester hours of specialized course work outside the area of concentration; a minimum of six semester hours in current research and research methods is required. Each student entering the PhD program is required to submit a program of study during the first year.

Admission Requirements: Students are admitted to the PhD program only upon completion of a master's degree in architecture, environmental resources, design, landscape architecture, or planning or upon the demonstration of equivalent standing. In addition to meeting Graduate College admission requirements, applicants must submit the following items to:

PhD PROGRAM IN ENVIRONMENTAL DESIGN AND PLANNING
COLLEGE OF DESIGN
ARIZONA STATE UNIVERSITY

PO BOX 871905
TEMPE AZ 85287-1905

1. A minimum of three letters of reference,
2. A sample of written work and any other evidence relevant to admission to the program,
3. A statement of purpose (summarizing career objectives and the reasons for pursuing a doctoral education, as well as indicating the proposed area of concentration and a potential mentor in the College of Design),
4. A proposed mentor and concentration form, and
5. Graduate Record Examination (GRE) scores.

A Test of English as a Foreign Language (TOEFL) score of at least 600 or an overall IELTS band score of 7.5, with no individual band below 7.00, is required of all applicants whose native language is not English. International applicants who are interested in receiving funding as Teaching Associates (TAs) must take the SPEAK test administered at ASU and become certified.

Additional information is available at <http://design.asu.edu>.

Healthcare and Healing Environments (MSD) ARHEMSD

COLLEGE OF DESIGN, TEMPE

Contact: <http://design.asu.edu> | design.grad@asu.edu | CDN 162 | 480/965-7007 | 2105

Official Degree Awarded: Design (Design of Healthcare and Healing Environments) (MSD)

Program Description: The concentration in healthcare and healing environments is focused on factors that impact the design and planning of healthcare facilities and healing environments, especially the integration of evidence based design, sustainable science, and best practices benchmarks with planning healthcare facilities. This multidisciplinary program integrates the principles of Medical and clinical innovations, business administration, interior architecture, human health services, communication studies, architecture, and behavioral and engineering sciences. Students in this program will be mentored by local healthcare design consultants, teaming with nursing students, working directly with real clients, and corresponding with forward-thinking healthcare research centers.

Program Requirements: This program requires 36 semester hours and a thesis or 36 hours and an applied project. Students may choose to complete their graduate work by way of a thesis or an applied project. A master's thesis is a scholarly endeavor that demonstrates the ability of the author to do supervised research and intellectual writing. The applied project is somewhat different. It includes both a project and a written document and is a scholarly endeavor that demonstrates the ability of the designer to do supervised research and present substantial evidence of the ability to apply research creatively to a design situation.

Admission Requirements: Applicants to the MSD Program must hold a baccalaureate degree in Graphic Design, Industrial Design, Interior Design, or a related design discipline. When applying for admission, applicants must declare one of seven concentrations: Healthcare and healing environments, new product innovation, interactive design, arts/media/engineering, visual communication design, industrial design, or interior design. Further information can be found in the program description on the admissions Web page at <http://www.design.asu.edu/msd/admission.shtml>.

Applicants must file separate application materials to both the Graduate College and the MSD Program.

MSD Program Requirements

A 3.00 or higher baccalaureate grade point average is required for application.

- Minimum TOEFL score of 550 on paper-based test or 213 on computer-based test is required of international students whose native language is not English.

Submit the following materials to:

MSD Program
COLLEGE OF DESIGN
ARIZONA STATE UNIVERSITY
PO BOX 872105
TEMPE AZ 85287-2105

1. A mandatory statement of intent form found on the admissions website listed above (maximum 600 words;) which must include the following points:
 - Specify intended concentration: Healthcare and Healing Environments, New Product Innovation, Interactive Design, Visual Communication Design, Industrial Design, Interior Design, or Arts/Media/Engineering.
 - Discuss proposed research topic. What will be your research focus? Why is this research important to you, the design community, and the general population?
 - Specify a proposed mentor for intended research. Faculty biographies can be found on the website at design.asu.edu/msd/faculty.shtml.
 - Discuss personal academic background and professional experience that has prepared you for or will support your proposed research topic.
2. Three recommendation forms (found on the admissions Web site listed above) from persons who are qualified to comment on your potential in the selected area of study. Students must have the recommender use the recommendation form. Students have two options to return letters of recommendation: 1) have the recommender mail in the letter to the MSD program or 2) submit letters with a complete application packet; letters must be sealed and the recommender's signature must be across the seal in ink.
3. An additional statement from applicants wishing to be considered for teaching or research assistantships outlining areas in which they feel competent to serve as a teaching or research assistant and inexpensive copies of samples of work that will not be returned (international students who wish to be considered for a teaching assistantship and whose first language is not English are required to pass the Test of Spoken English [TSE], the SPEAK test, or have a score of 24 or higher on the iBT TOEFL in the speaking section.
 - The TSE is administered by TOEFL/TSE Services, (PO Box 6151, Princeton, NJ, 08541-6151, USA) and can be taken in your home country (or US). Ask to have the score sent directly to the MSD Program at the above address.
 - The SPEAK test is the local version of the TSE, authorized by Educational Testing Services (ETS) and administered on campus through the American English and Culture Program (AECPP) at ASU. It is an oral proficiency exam.
4. An 8.5" x 11" portfolio documenting papers and imaginative projects that support the intended concentration and demonstrate drawing, rendering, graphic and modeling skills.

The portfolio is returned after final admission procedures, provided sufficient prepaid postage is enclosed, or if the materials are claimed in person within one year of submission. Unclaimed portfolios are retained for only one year.

The MSD Program assumes no liability for lost or damaged materials. **IMPORTANT NOTE:** Items 1 to 4 above must be sent to the MSD Program address. **DO NOT** send these materials to the Graduate College. If these materials are sent to any other area other than the MSD Program, they will not be reviewed and your application will be denied.

C. Application Deadlines

Primary consideration is given to completed applications received by the deadline. Applications for assistantships and scholarships normally are considered at the same time, but positions will not be filled until July.

The Graduate College and the MSD Program must receive all materials by January 15 to be considered for the following fall semester. Please note that the MSD program only accepts fall admission.

D. Selection Procedures and Notifications

The faculty evaluates the applications and supporting materials and recommends to the Graduate College whether the applicant should be granted regular or provisional admission or if admission should be denied. If admission is provisional, the Graduate College specifies in its letter of admission the provisions to be met to gain regular status. The MSD Program informs successful applicants of the procedures for enrollment.

E. Foreign Language Requirements

None.

F. Thesis or Applied Project

For students choosing the thesis option, six semester hours of DSC 599 Thesis apply toward the thesis. Guidelines in the Format Manual must be followed. For students choosing the applied project option, six hours of DSC 593 Applied Project apply.

You can find more information about the Thesis/Dissertation at the Graduate College Web site.

G. Final Examinations

An oral examination in defense of the thesis or applied project is required for all students in the MSD Program. Graduation Deadlines and Procedures can be found on the Graduate College Web site.

Industrial Design (MSD) ARINDDMSD

COLLEGE OF DESIGN, TEMPE

Contact: <http://design.asu.edu/industrial> | design.grad@asu.edu | CDN 162 | 480/965-7007 | 2105

Official Degree Awarded: Design (Industrial Design) (MSD)

Program Description: The Master of Science in Design (MSD) program with a concentration in industrial design is a research-oriented graduate degree. Its focus is on research, both theoretical and applied, and it prepares students for research in academic and professional settings. The program is not an extension of the undergraduate studio experience, but culminates in a written thesis or applied project.

The MSD program has four goals:

1. provide graduate education for students who have a baccalaureate degree in industrial design;
2. provide an opportunity for the development of specialized research skills to support the profession of industrial design;
3. provide the opportunity for design professionals to gain the necessary research skills for academic and professional careers; and
4. develop critical skills that enable the graduates of the program to contribute to the literature of design through articles, essays, and books or to participate in professional and/or academic conferences related to their concentration.

Program Requirements: This program requires 36 credit hours and a thesis or 36 credit hours and an applied project. Students may choose to complete their graduate work by way of a thesis or an applied project. A master's thesis is a scholarly endeavor that demonstrates the ability of the author to do supervised research and intellectual writing. The applied project is somewhat different. It includes both a project and a written document and is a scholarly endeavor that demonstrates the ability of the designer to do supervised research and present substantial evidence of the ability to apply research creatively to a design situation.

Foreign Language Requirements

None.

Thesis or Applied Project

For students choosing the thesis option, six semester hours of DSC 599 Thesis apply toward the thesis. Guidelines in the Format Manual must be followed. For students choosing the applied project option, six hours of DSC 593 Applied Project apply.

You can find more information about the Thesis/Dissertation at the Graduate College Web site.

Final Examinations

An oral examination in defense of the thesis or applied project is required for all students in the MSD Program. Graduation Deadlines and Procedures can be found on the Graduate College Web site.

Admission Requirements: Applicants to the MSD Program must hold a baccalaureate degree in Graphic Design, Industrial Design, Interior Design, or a related design discipline. When applying for admission, applicants must declare one of seven concentrations: Healthcare and healing environments, new product innovation, interactive design, arts/media/engineering, visual communication design, industrial design, or interior design. Further information can be found in the program description on the admissions Web page at <http://www.design.asu.edu/msd/admission.shtml>.

Applicants must file separate application materials to both the Graduate College and the MSD Program.

- A 3.00 or higher baccalaureate grade point average is required for application.
- Minimum TOEFL score of 550 on paper-based or 83 iBT is required of applicants whose native language is not English.

Submit the following materials to:

MSD Program
COLLEGE OF DESIGN
ARIZONA STATE UNIVERSITY
PO BOX 872105
TEMPE AZ 85287-2105

1. A mandatory statement of intent form found on the admissions website listed above (maximum 600 words;) which must include the following points:
 - Specify intended concentration: Healthcare and Healing Environments, New Product Innovation, Interactive Design, Visual Communication Design, Industrial Design, Interior Design, or Arts/Media/Engineering.
 - Discuss proposed research topic. What will be your research focus? Why is this research important to you, the design community, and the general population?
 - Specify a proposed mentor for intended research. Faculty biographies can be found on the website at design.asu.edu/msd/faculty.shtml.
 - Discuss personal academic background and professional experience that has prepared you for or will support your proposed research topic.
2. Three recommendation forms (found on the admissions Web site listed above) from persons who are qualified to comment on your potential in the selected area of study. Students must have the recommender use the recommendation form. Students have two options to return letters of recommendation: 1) have the recommender mail in the letter to the MSD program or 2) submit letters with a complete application packet; letters must be sealed and the recommender's signature must be across the seal in ink.
3. An additional statement from applicants wishing to be considered for teaching or research assistantships outlining areas in which they feel competent to serve as a teaching or research assistant and inexpensive copies of samples of work that will not be returned (international students who wish to be considered for a teaching assistantship and whose first language is not English are required to pass the Test of Spoken English [TSE], the SPEAK test, or have a score of 24 or higher on the iBT TOEFL in the speaking section.

- The TSE is administered by TOEFL/TSE Services, (PO Box 6151, Princeton, NJ, 08541-6151, USA) and can be taken in your home country (or US). Ask to have the score sent directly to the MSD Program at the above address.
 - The SPEAK test is the local version of the TSE, authorized by Educational Testing Services (ETS) and administered on campus through the American English and Culture Program (AECF) at ASU. It is an oral proficiency exam.
4. An 8.5" x 11" portfolio documenting papers and imaginative projects that support the intended concentration and demonstrate drawing, rendering, graphic and modeling skills.

The portfolio is returned after final admission procedures, provided sufficient prepaid postage is enclosed, or if the materials are claimed in person within one year of submission. Unclaimed portfolios are retained for only one year.

The MSD Program assumes no liability for lost or damaged materials. **IMPORTANT NOTE:** Items 1 to 4 above must be sent to the MSD Program address. **DO NOT** send these materials to the Graduate College. If these materials are sent to any other area other than the MSD Program, they will not be reviewed and your application will be denied.

Application Deadlines

Primary consideration is given to completed applications received by the deadline. Applications for assistantships and scholarships normally are considered at the same time, but positions will not be filled until July.

The Graduate College and the MSD Program must receive all materials by January 15 to be considered for the following fall semester. Please note that the MSD program only accepts fall admission.

Selection Procedures and Notifications

The faculty evaluates the applications and supporting materials and recommends to the Graduate College whether the applicant should be granted regular or provisional admission or if admission should be denied. If admission is provisional, the Graduate College specifies in its letter of admission the provisions to be met to gain regular status. The MSD Program informs successful applicants of the procedures for enrollment.

Interior Design (MSD) ARINTDEMMSD

COLLEGE OF DESIGN, TEMPE

Contact: <http://design.asu.edu/interior> | design.grad@asu.edu | CDN 162 | 480/965-7007 | 2105

Official Degree Awarded: Design (Interior Design) (MSD)

Program Description: The Master of Science in Design (MSD) program with a concentration in interior design is a research-oriented graduate degree. Its focus is on research, both theoretical and applied, and it prepares students for research in academic and professional settings. The program is not an extension of the undergraduate studio experience, but culminates in a written thesis or applied project.

The Master of Science in Design (MSD) program with a concentration in interior design is a research-oriented graduate degree. Its focus is on research, both theoretical and applied, and it prepares students for research in academic and professional settings. The program is not an extension of the undergraduate studio experience, but culminates in a written thesis or applied project.

The MSD program has four goals:

1. provide graduate education for students who have a baccalaureate degree in interior design;
2. provide an opportunity for the development of specialized research skills to support the profession of interior design;
3. provide the opportunity for design professionals to gain the necessary research skills for academic and professional careers; and

4. develop critical skills that enable the graduates of the program to contribute to the literature of design through articles, essays, and books or to participate in professional and/or academic conferences related to their concentration.

Program Requirements: This program requires 36 credit hours and thesis or 36 credit hours and an applied project. Students may choose to complete their graduate work by way of a thesis or an applied project. A master's thesis is a scholarly endeavor that demonstrates the ability of the author to do supervised research and intellectual writing. The applied project is somewhat different. It includes both a project and a written document and is a scholarly endeavor that demonstrates the ability of the designer to do supervised research and present substantial evidence of the ability to creatively apply research to a design situation.

Admission Requirements: Applicants to the MSD Program must hold a baccalaureate degree in Graphic Design, Industrial Design, Interior Design, or a related design discipline. When applying for admission, applicants must declare one of seven concentrations: Healthcare and healing environments, new product innovation, interactive design, arts/media/engineering, visual communication design, industrial design, or interior design. Further information can be found in the program description on the admissions Web page at <http://www.design.asu.edu/msd/admission.shtml>.

Applicants must file separate application materials to both the Graduate College and the MSD Program.

MSD Program Requirements

- A 3.00 or higher baccalaureate grade point average is required for application.
- Minimum TOEFL score of 550 on paper-based test or 213 on computer-based test is required of international students whose native language is not English.

Submit the following materials to:

MSD Program
COLLEGE OF DESIGN
ARIZONA STATE UNIVERSITY
PO BOX 872105
TEMPE AZ 85287-2105

1. A mandatory statement of intent form found on the admissions website listed above (maximum 600 words;) which must include the following points:
 - Specify intended concentration: Healthcare and Healing Environments, New Product Innovation, Interactive Design, Visual Communication Design, Industrial Design, Interior Design, or Arts/Media/Engineering.
 - Discuss proposed research topic. What will be your research focus? Why is this research important to you, the design community, and the general population?
 - Specify a proposed mentor for intended research. Faculty biographies can be found on the website at design.asu.edu/msd/faculty.shtml.
 - Discuss personal academic background and professional experience that has prepared you for or will support your proposed research topic.
2. Three recommendation forms (found on the admissions Web site listed above) from persons who are qualified to comment on your potential in the selected area of study. Students must have the recommender use the recommendation form. Students have two options to return letters of recommendation: 1) have the recommender mail in the letter to the MSD program or 2) submit letters with a complete application packet; letters must be sealed and the recommender's signature must be across the seal in ink.
3. An additional statement from applicants wishing to be considered for teaching or research assistantships outlining areas in which they feel competent to serve as a teaching or research assistant and inexpensive copies of samples of work that will not be returned (international students who wish to be considered for a teaching assistantship and whose first language is not English are required to pass the Test of Spoken English [TSE] or the SPEAK test.

- The TSE is administered by TOEFL/TSE Services, (PO Box 6151, Princeton, NJ, 08541-6151, USA) and can be taken in your home country (or US). Ask to have the score sent directly to the MSD Program at the above address.
 - The SPEAK test is the local version of the TSE, authorized by Educational Testing Services (ETS) and administered on campus through the American English and Culture Program (AECF) at ASU. It is an oral proficiency exam.
4. An 8.5" x 11" portfolio documenting papers and imaginative projects that support the intended concentration and demonstrate drawing, rendering, graphic and modeling skills.

The portfolio is returned after final admission procedures, provided sufficient prepaid postage is enclosed, or if the materials are claimed in person within one year of submission. Unclaimed portfolios are retained for only one year.

The MSD Program assumes no liability for lost or damaged materials. **IMPORTANT NOTE:** Items 1 to 4 above must be sent to the MSD Program address. **DO NOT** send these materials to the Graduate College. If these materials are sent to any other area other than the MSD Program, they will not be reviewed and your application will be denied.

C. Application Deadlines

Primary consideration is given to completed applications received by the deadline. Applications for assistantships and scholarships normally are considered at the same time, but positions will not be filled until July.

The Graduate College and the MSD Program must receive all materials by January 15 to be considered for the following fall semester. Please note that the MSD program only accepts fall admission.

D. Selection Procedures and Notifications

The faculty evaluates the applications and supporting materials and recommends to the Graduate College whether the applicant should be granted regular or provisional admission or if admission should be denied. If admission is provisional, the Graduate College specifies in its letter of admission the provisions to be met to gain regular status. The MSD Program informs successful applicants of the procedures for enrollment.

E. Foreign Language Requirements

None.

F. Thesis or Applied Project

For students choosing the thesis option, six semester hours of DSC 599 Thesis apply toward the thesis. Guidelines in the Format Manual must be followed. For students choosing the applied project option, six hours of DSC 593 Applied Project apply.

You can find more information about the Thesis/Dissertation at the Graduate College Web site.

G. Final Examinations

An oral examination in defense of the thesis or applied project is required for all students in the MSD Program. Graduation Deadlines and Procedures can be found on the Graduate College Web site.

Landscape Architecture (MLA) ARLDEMLA

COLLEGE OF DESIGN, TEMPE

Contact: <http://design.asu.edu> | sala.grad@asu.edu | COD 162 | 480/965-3536 | 1905

Official Degree Awarded: Landscape Architecture (MLA)

Program Description: The Master of Landscape Architecture at ASU prepares individuals for the independent professional practice of landscape architecture and research in various aspects of the field including: geology and hydrology; project and site planning; landscape design, history, and theory; environmental design; application law and regulations; and professional responsibilities and standards. The program leverages the arid urban context and rapidly urbanizing landscape of the Phoenix metropolitan region. In response to the global depletion of natural resources, global warming, and other population-impacted ecological conditions the curriculum is focused on issues of sustainable landscape urbanism. Students are encouraged to pursue a joint degree with the School's Master of Science in Building Design, and/or the Master of Urban Design degree program.

Master of Landscape Architecture Program Two Year Degree Requirements

First Year

Fall

LDE 521 Advanced Architectural Studio I (5)
LTC 563 Building Systems III (3)
LPH 513 Building Structures III (3)
ATE 598 Sustainability of the Built Environment (3)

Spring

LDE 522 Advanced Landscape Architectural Studio (5)
LTC 546 LA Alternative technologies and Materials (3)
LPH 612 Landscape Architecture Research Methods (3)
L/APH 505 Foundation Theory Seminar (3)

Second Year (6th Year)

Fall

LDE 621 Advanced Landscape Architectural Studio (5)
LTC 598 ST: Urban Ecological Design (3)
LPH 613 Landscape Architecture Seminar (3)
College of Design Professional Graduate Elective * (3)

Spring

LDE 622 Advanced Landscape Architectural Studio (5)
L/AAD 652 Professional Practice (3)
LTC 598 ST: Urban Landscape Water Systems and Management (3)

Total Graduate Hours in Program: 53

Required Deficiency Course

LPH 411 LA Theory and Criticism (3)

Total program Hours: 56

* The list of College of Design electives can be found on the school's Web site: <http://www.design.asu.edu>.

Master of Landscape Architecture Program Three-Plus Year Requirements

Note: Bolded courses are considered deficiencies and do not count toward official program of study.

First Year

Summer

LDE 590 Foundation Architectural Studio (6)
ALA 102 Architecture, Landscape Architecture and Society (first five-week session) (3)
ALA 236 Computers in LA (first five-week session) (3)
APH 509 Foundation Seminar (second five-week session) (3)

Fall

LDE 511 Core Architectural Studio I (6)
LPH 310 History of Landscape Architecture (3)
LTC 341/542 Landscape Implementation-Grading (3)
LTC 598 ST: Natural Factors (3)

Spring

ADE 512 Core Landscape Architectural Studio (6)
LPH 311 Contemporary Landscape Architecture (3)
LTC 344 Landscape Implementation-Construction (3)
LTC 432 GIS (3)

Summer

ARP 584 Clinical Internship 1 (1)

Admission Requirements: Admissions Requirements to the Two-Year Program:

Applicants must:

- Hold a baccalaureate or graduate degree from a college or university recognized by ASU.
- Be a licensed landscape architect or have completed a four-year Bachelor of Science degree with a major in Landscape Architectural Studies. The undergraduate degree must be granted by an institution that offers the Landscape Architectural Accreditation Board (LAAB) accredited degree program in architecture.
- Meet the minimum GPA requirements as established by the Graduate College.
- Provide official copy of GRE scores (unofficial copies will not be accepted). For more information on the GRE visit <http://www.ets.org/>. The School of Architecture and Landscape Architecture does not have a minimum score for admissions; however, the average scores of admitted students are between 500-600 for each section.

In addition to the above requirements, international students are required to submit an official TOEFL score (www.TOEFL.org). The minimum score for admission to the program is 100 (Internet), 250 (computer-based), or 600 (paper-based). Other information for International applicants can be found on the Graduate College website <http://graduate.asu.edu/admissions/international.html>.

Additional Admission Requirements

Applicants should write their name in a clear and consistent manner on all materials submitted, preferably in the “family name, first name” format (e.g. Smith, John).

Statement of Intent. A personal narrative (maximum 600 words or two pages typed) indicating the applicant's interest, previous academic and practical background, as well as personal and professional educational objectives.

Letters of Recommendation. A minimum of three letters of recommendation in support of the applicant must be mailed directly to the Graduate Admissions Committee, School of Architecture and Landscape Architecture. The references should be from professionals or educators familiar with the applicant's experience and capability for graduate work.

Portfolio. Candidates applying for the Two-Year Master of Landscape Architecture program must also provide a portfolio of creative works. See the portfolio requirements outlined on the College of Design website for more information. Submit the statement of intent, recommendation letters, creative works portfolio, and the contact information sheet to the following address:

Master of Architecture and Landscape Architecture Admissions Committee
School of Architecture and Landscape Architecture
Arizona State University
PO Box 871605
Tempe, AZ 85287-1605

Please submit your online application and fee, test scores (GRE or TOEFL), and official transcripts from all post-secondary institutions directly to the Graduate College.

Admissions Requirements to the Three-Plus Year Program:

Applicants must:

- Apply and then begin the program in the summer
- Hold a baccalaureate or graduate degree from a college or university recognized by ASU.
- Have earned a bachelor's degree in a field other than architectural studies leading to the NAAB accredited program.
- Meet the minimum GPA requirements as established by the Graduate College.
- Provide official copy of GRE scores (unofficial copies will not be accepted). For more information on the GRE visit <http://www.ets.org/>. The School of Architecture and Landscape Architecture does not have a minimum score for admissions; however, the average scores of admitted students are between 500-600 for each section.

In addition to the above requirements, international students are required to submit an official TOEFL score (www.TOEFL.org). The minimum score for admission to the program is 100 (Internet), 250 (computer-based), or 600 (paper-based). Other information for International applicants can be found on the Graduate College website <http://graduate.asu.edu/admissions/international.html>.

Admission to the program is selective, and the Master of Architecture program does not defer admission. Students must enroll in the semester for which they are admitted otherwise they will need to go through the entire application process again for the year in which they are applying.

A personal interview is not required; however, a candidate wishing to visit the school is welcome and should make arrangements by contacting.

Additional Admission Requirements

Applicants should write their name in a clear and consistent manner on all materials submitted, preferably in the “family name, first name” format (e.g. Smith, John).

Statement of Intent. A personal narrative (maximum 600 words or two pages typed) indicating the applicant's interest, previous academic and practical background, as well as personal and professional educational objectives.

Letters of Recommendation. A minimum of three letters of recommendation in support of the applicant must be mailed directly to the Graduate Admissions Committee, School of Architecture and Landscape Architecture. The references should be from professionals or educators familiar with the applicant's experience and capability for graduate work.

Creative Works Portfolio. Candidates applying for the Three-plus year Master of Architecture program must also provide a portfolio of creative works. See the portfolio requirements outlined on the College of Design website for more information. Submit the statement of intent, recommendation letters, creative works portfolio, and the contact information sheet to the following address:

Master of Architecture and Landscape Architecture Admissions Committee
School of Architecture and Landscape Architecture
Arizona State University
PO Box 871605
Tempe, AZ 85287-1605

Please submit your online application and fee, test scores (GRE or TOEFL), and official transcripts from all post-secondary institutions directly to the Graduate College.

Application Deadlines

All materials must be received by the School of Architecture and Landscape Architecture and the Graduate College by January 15 for summer semester consideration. Priority will be given to students who have submitted all the required application materials to both the Graduate College and the School of Architecture and Landscape Architecture by deadline of January 15. The Master of Architecture (three-plus) program does not admit students for the spring semester of fall semester.

Applications for assistantship and scholarships are generally considered at the same time as the application.

Real Estate Development (MRED) ARREMREDEV

COLLEGE OF DESIGN, TEMPE

Contact: <http://www.mred.asu.edu> | megan.paul@asu.edu | 777 S College Ave Ste 205 | 480/298-8225 | 8205

Official Degree Awarded: Real Estate Development (MREDev)

Program Description: The Master of Real Estate Development (MRED) program is unlike any other in the nation; it is built upon an innovative transdisciplinary curriculum offered by departments in design, law, business, and construction. The curriculum is presented in a fast-paced sequence of topics reflective of the real estate development process.

The curriculum covers specific core knowledge centers and strategic decision-making tools during each of the eight program segments: valuation, segmentation, location, conceptualization, regulations, capitalization, construction, value realization and community.

The Master of Real Estate Development is as an accelerated 30 credit hour, 30-week, full-immersion program focused on educating students and mid-career professionals in real estate development. The curriculum includes three synthesis projects that serve as core knowledge demonstration events along with relevant industry case studies, interactive classroom exercises, collaborative group engagements, integration of topical research, site visits, professional mentor presentations and meetings, distinguished visitor lectures and social events. An applied project is required as a culminating experience.

For more information, see <http://www.mred.asu.edu>.

Program Requirements: Thirty semester hours and an applied project are required.

Admission Requirements: Application to the Master of Real Estate (MRED) program is available online through the ASU Graduate College at <http://graduate.asu.edu>.

To be eligible for admission to graduate studies, students must have the following:

1. a bachelor's degree or the equivalent from a regionally accredited institution, and
2. a 3.00 GPA.

Other required application materials include a GMAT test score or a petition to waive (if the applicant submits TOEFL exam scores), three letters of recommendation, and a personal statement.

Urban and Environmental Planning (MUEP) ARURBMUEP

COLLEGE OF DESIGN, TEMPE

Contact: <http://design.asu.edu/planning> | sop.advising@asu.edu | CDN 162 | 4809657167 | 2005

Official Degree Awarded: Urban and Environmental Planning (MU/EP)

Program Description: The Master of Urban and Environmental Planning (MUEP) is an interdisciplinary professional degree designed to prepare students for leadership roles in planning in both the public and private sectors within organizations ranging from local to international in scope. The MUEP degree is accredited by the Planning Accreditation Board. The curriculum includes a common core of required courses that provides linkage between knowledge and practice, and fundamental theories and skills.

The four specializations offered are community and urban development, environmental planning, international planning, and transportation planning. The community and urban development specialization provides students with knowledge and skills in areas such as housing, economic and community development, public policy analysis, transportation, land use planning, urban design and historic preservation. The environmental planning specialization provides students with knowledge and skills in such areas as sustainable design, environmental resources, growth management, environmental policy analysis, open space design, and conservation. The international planning specialization prepares planners to work in the diverse and changing urban fabric of developing nations and in US cities, with their growing multinational and multicultural populations. Transportation planning focuses on nonmotorized transportation, economic development, border issues, and the environment. Specializations provide connections between the School of Planning and the other disciplines in the College of Design and the university. Students have a unique opportunity to integrate urban and environmental aspects of planning in rapidly developing metropolitan areas in the demographic and climatic context of the southwest region of the United States.

Program Requirements: An approved program of study for the Master of Urban and Environmental Planning is 47 semester hours. The program has the typical distribution as follows:

Required core courses, including either the capstone studio, thesis, or professional project (26)

Specialization courses (12)

Electives (9)

Total 47

Students must take required core courses and select an area of specialization. Students must also select a capstone studio, a professional project, or a thesis option. Successful completion of an approved statistics course, if not achieved by the student as an undergraduate, will be required as a deficiency.

Admission Requirements: To be considered for the program, the applicant must fulfill all admission requirements of the Graduate College, in addition to meeting admission requirements of the School of Planning. The following materials are required by the School of Planning:

1. an application to the Graduate College,
2. official transcripts from all other colleges and universities attended,

3. a statement of intent (maximum 600 words) explaining,
 - A. the applicant's interest in planning,
 - B. the applicant's academic and professional background, and if appropriate, preparation for the selected area of specialty: community and urban development, environmental planning, international planning or transportation planning (these may include written samples or a portfolio, but are not required), and
 - C. the applicant's educational objectives.
4. test scores: TOEFL scores from international students whose native language is not English,
5. three letters of recommendation from references who are qualified to comment on the applicant's potential in the selected area of study (a recommendation form is provided on the school's Website), and
6. a current résumé.

Official transcripts and test scores should be submitted to:

GRADUATE COLLEGE
ARIZONA STATE UNIVERSITY
PO BOX 871003
TEMPE AZ 85287-1003

All other materials should be submitted to:

SCHOOL OF PLANNING
ARIZONA STATE UNIVERSITY
ATTN: MUEP Admissions
PO BOX 872005
TEMPE AZ 85287-2005

Some teaching and research assistantships are available on a competitive basis. International students who wish to be considered for a teaching assistantship and whose first language is not English are required to pass the SPEAK test administered by the American English and Culture Center at ASU.

Urban Design (MUD) ARMUDMUD

COLLEGE OF DESIGN, TEMPE

Contact: <http://design.asu.edu> | sala.grad@asu.edu | COD 162 | 480/965-3536 | 1905

Official Degree Awarded: Urban Design (MUD)

Program Description: The Master of Urban Design (MUD) is a multidisciplinary program within the College of Design. The curriculum draws from the disciplines of architecture, landscape architecture, law, civil engineering, planning, public programs, real estate development, and the first School of Sustainability in the United States. The program leverages its local conditions (rapidly urbanizing metropolis, arid climate, New American University) toward the development of responsible global initiatives and innovative design strategies for urban environments. The curriculum is built around the analysis and understanding of contemporary urban conditions specific to rapidly urbanizing and arid regions of the world. Students are encouraged to pursue a joint degree with the school's Master of Science in Building Design.

Applicants who hold a professional design degree (BSLA, MLA, BArch, or MArch) will be considered for the Two-Year MUD program. Applicants who do not have a background in design will be considered for admission to a Three-Year MUD program that includes an initial year of design studies. The MUD is a post-professional, non-accredited program.

Program Requirements: **Master of Urban Design (MUD) Degree Requirements:**

First Year

Fall

MUD 521 Advanced Urban Design Studio I (5)
MUD 598 Urban Issues (3)
ATE 598 Sustainability of the Built Environment (3)

Spring

MUD 522 Advanced Urban Design Studio II (5)
MUD 524 Urban Elements (3)
College of Design Professional elective (3)

Summer

MUD 610 Applied Urban Design Research Project (1-3)
or MUD 611 Professional Honors

Second Year

Fall

MUD 621 Advanced Urban Design Studio III (5)
MUD 623 Thesis Research (3)
College of Design Professional elective (3)

Spring

MUD 622 Advanced Urban Design Studio IV (5)
College of Design Professional elective (3)
Urban Design Professional elective (3)

Total Hours in Program: 45

An oral comprehensive examination is required.

Admission Requirements: Admission Requirements Master of Urban Design

Applicants who hold a professional design degree (BSLA, MLA, BArch, or MArch) will be considered for the two-year MUD program. Applicants who do not have a background in design will be considered for admission to a three-year MUD program that includes an initial year of design studies. The MUD is a post-professional, nonaccredited program.

Two-year Program Admission Requirements

Applicants must hold a baccalaureate or graduate degree from a college or university recognized by ASU. An applicant must be a licensed landscape architect or architect or have completed:

- an accredited (LAAB) four-year Bachelor of Science degree with a major in Landscape Architectural Studies, or an accredited (LAAB) Master of Landscape Architecture degree, or
- an accredited (NAAB) four-year Bachelor of Science degree with a major in Architectural Studies or an accredited (NAAB) Master of Architecture degree,
- meet the minimum GPA requirements as established by the Graduate College, and

- provide an official copy of GRE scores (unofficial copies will not be accepted).

For more information regarding the GRE, visit <http://www.gre.org>. The School of Architecture and Landscape Architecture does not have a minimum score for admissions; however, the average scores of admitted students are between 500-600 for each section. In addition to the above requirements, international students are required to submit an official TOEFL score (www.TOEFL.org). The minimum score for admission to the program is 100 (Internet), 250 (computer-based), or 600 (paper-based). Other information for International applicants can be found on the Graduate College Web site <http://graduate.asu.edu/admissions/international.html>.

Admission Documents

- Applicants should write their name in a clear and consistent manner on all materials submitted, preferably in the “family name, first name”: format (e.g. Smith, John).
- Statement of Intent. A personal narrative (maximum 600 words or two pages typed) indicating the applicant's interest, previous academic and practical background, as well as personal and professional educational objectives.
- Letters of Recommendation. A minimum of three letters of recommendation in support of the applicant must be mailed directly to the Graduate Admissions Committee, School of Architecture and Landscape Architecture. The references should be from professionals or educators familiar with the applicant's experience and capability for graduate work.
- Portfolio: candidates applying for the two-year Master of Urban Design program are required to submit a portfolio. See the portfolio requirements for more information.
- Please complete and submit the Contact Information Sheet.

Submit the statement of intent, recommendation letters, portfolio, and the contact information sheet to the following address:

Master of Urban Design Admissions Committee
 School of Architecture and Landscape Architecture
 Arizona State University
 PO Box 871605
 Tempe, AZ 85287-1605

Submit your online application and fee, test scores (GRE or TOEFL), and official transcripts from all post-secondary institutions directly to the Graduate College.

Three-Plus Program Admission Requirements

Applicants must submit an online Graduate College application.

Applicants must hold a baccalaureate or graduate degree from a college or university recognized by ASU. They must have earned a bachelor's degree in a field other than landscape architectural studies leading to the LAAB accredited program.

Applicants must meet the minimum GPA requirements as established by the Graduate College.

They must submit an official copy of GRE scores (unofficial copies will not be accepted). For more information on the GRE visit <http://www.gre.org>. The School of Architecture and Landscape Architecture does not have a minimum score for admissions; however, the average scores of admitted students are between 500-600 for each section.

In addition to the above requirements, international students are required to submit an official TOEFL score (www.TOEFL.org). The minimum score for admission to the program is 100 (Internet), or 600 (paper-based). Other information for International applicants can be found on the Graduate College Web site at <http://graduate.asu.edu/admissions/international.html>.

Additional Master of Urban Design Three-plus Program Requirements

Applicants should write their name in a clear and consistent manner on all materials submitted, preferably in the “family name, first name” format (e.g. Smith, John).

They must submit:

- A Statement of Intent. A personal narrative (maximum 600 words or two pages typed) indicating the applicant's interest, previous academic and practical background, as well as personal and professional educational objectives.
- Letters of Recommendation. A minimum of three letters of recommendation in support of the applicant must be mailed directly to the Graduate Admissions Committee, School of Architecture and Landscape Architecture. The references should be from professionals or educators familiar with the applicant's experience and capability for graduate work.
- Creative Works Portfolio. Candidates applying for the Three-plus year Master of Urban Design program must also provide a portfolio of creative works. See the portfolio requirements for more information.
- complete the Contact Information Sheet.

Submit the statement of intent, recommendation letters, creative works portfolio, and the contact information sheet to the following address:

Master of Urban Design Admissions Committee
School of Architecture and Landscape Architecture
Arizona State University
PO Box 871605
Tempe, AZ 85287-1605

Please submit your online application and fee, test scores (GRE or TOEFL), and official transcripts from all post-secondary institutions directly to the Graduate College.

EDUCATION, MARY LOU FULTON COLLEGE OF

An Overview of Autism Spectrum Disorders (Grad Certificate) EDSPEGRCA

MARY LOU FULTON COLLEGE OF EDUCATION, TEMPE

Contact: <http://education.asu.edu/> | cnigrad@asu.edu | ED 434 | 480/965-4602 | 1911

Official Degree Awarded: An Overview of Autism Spectrum Disorders (certificate) (CERT)

Program Description: The Division of Curriculum and Instruction within the Mary Lou Fulton College of Education developed a program that prepares participants with the latest information and practical techniques to better understand and serve those with Autism Spectrum Disorders (ASD). This 15-semester hour program uses both in-class and online sessions to prepare students for the challenges of working with individuals with Autism Spectrum Disorders (ASD). The ASD certificate consists of four classes and a practicum. The practicum provides an opportunity to use new knowledge and skills in a real world setting consistent with the student's interests and abilities.

Applied Linguistics (PhD) EDAPLPHD

MARY LOU FULTON COLLEGE OF EDUCATION, TEMPE

Contact: http://education.asu.edu/prospective_students/graduate_studies/applied_linguistics | cnigrad@asu.edu | Farmer 434 | 480/965-4602 | 1911

Official Degree Awarded: Applied Linguistics (PhD)

Program Description: The Applied Linguistics Ph.D. is a University-wide program created as a partnership between the Mary Lou Fulton College of Education and the College of Liberal Arts and Sciences. The field of Applied Linguistics is interdisciplinary in nature, involving principled approaches to language-related concerns viewed through the broad disciplinary lens of linguistic sciences. At ASU, Applied Linguistics focuses on simultaneous and developmental bilingualism rather than adult second language acquisition.

Students in the program study a common core of subjects and select one of five specializations:

1. Bilingualism,
2. English as an International Language,
3. Language Planning and Policy,
4. Educational Linguistics, and
5. Indigenous Language Education.

See <http://appliedlinguistics.asu.edu/> for detailed program information.

Program Requirements: The program requires a total of 84 semester hours, a dissertation, oral and written comprehensive examinations and one foreign language, including 12 (and only 12) dissertation credits. There must be a minimum of 30 credit hours beyond the master's level, including a minimum of 12 units of dissertation credit. All students in the program must satisfy 21 units of foundations coursework in addition to coursework completed toward their chosen specialization.

Admission Requirements: Prior to admission, students must have completed a Bachelor's degree. Because Applied Linguistics is an interdisciplinary field, applicants with undergraduate preparation in any field are welcome; however, students must have completed an accredited bachelor's degree program. Applicants will submit an official ASU graduate application, official GRE scores and transcripts of all undergraduate and graduate coursework, a statement of purpose outlining career and research goals, three letters of recommendation, and other materials deemed appropriate by the Program Oversight Committee. Admissions processing will be handled by the Curriculum and Instruction Graduate Programs Office.

Art Education (PhD) EDARTEDPHD

MARY LOU FULTON COLLEGE OF EDUCATION, TEMPE

Contact: <http://coe.asu.edu/candi> | cnigrad@asu.edu | ED 434 | 4809654602 | 1911

Official Degree Awarded: Curriculum and Instruction (Art Education) (PhD)

Program Description: The PhD requires 93 credit hours, a dissertation, and written and oral comprehensive examinations.

Core Requirements: 6 semester hours

DCI 701 Curriculum Theory and Practice

DCI 702 Interdisciplinary Research Seminar in Curriculum and Instruction Professional

Inquiry and Analysis: 15 semester hours in approaches to education research

Examples of courses that meet this requirement are:

COE 502 Introduction to Quantitative Methods

COE 503 Introduction to Qualitative Methods

DCI 691 Narrative Research in Education

DCI 791 Discourse Analysis

Major Area of Concentration: 30 semester hours

Internships: 6 semester hours

Three two-semester-hour doctoral internships are required in the areas of research and college teaching. One area must be chosen twice. During the course of the internship, the student works closely with selected Art Education Program faculty members from the Interdisciplinary Committee on Curriculum and Instruction or other faculty members designated by the Interdisciplinary PhD Degree Program in Curriculum and Instruction.

Cognate Study: 12 semester hours

Twelve semester hours are required of students to broaden their understanding of the conceptual base and issues underlying the field of art. Students will take course work outside of art education. Cognate studies can be drawn from a broad range of offerings, both from within and outside the College of Education.

Dissertation and Independent Research: 24 semester hours

These semester hours demonstrate that the student is capable of conducting original research of high quality. The research is to be conceived and carried out such that it advances scholarship in art education.

Doctoral students are also encouraged to participate in the Preparing Future Faculty Program offered by the Graduate College of Arizona State University. This program consists of two semester hours in which students learn faculty roles and responsibilities and participate in an ongoing series of integrative and collaborative seminars coordinated with the Graduate College. Students have the opportunity to develop and participate in interdisciplinary teaching, research, and service activities.

The broad goals of the Interdisciplinary PhD Program in Curriculum and Instruction are to:

1. produce research scholars who can enhance the knowledge base underlying curriculum and instruction in a variety of concentrations;
2. provide experts, for all levels of instruction, in the design, implementation, and evaluation of educational personnel preparation programs; prepare individuals who can provide leadership to the evolving field of curriculum and instruction;
3. produce research scholars who are well-equipped for empirical and systematic examination of educational theories, strategies, principles, and practices related to the content and organization of curriculum and to the process and outcome of instruction.

The program also seeks to produce scholars who have the knowledge base to engage in such studies within the broad historical, social, political, economic, linguistic, intellectual and physical contexts in the country and abroad.

Admission Requirements: The following are required:

1. application to the Graduate College,
2. transcripts,
3. letter of intent/statement of purpose,
4. curriculum vita (resume),
5. statement of research interests,
6. a writing sample (approximately ten pages long),
7. GRE scores, and
8. three letters of recommendation from individuals who can speak to the applicant's potential for success in a graduate programs.

Additional materials may be required to gain admission into certain programs/cohorts. For specific information regarding admission requirements, see <http://coe.asu.edu/candi>.

Bilingual Education (MA) EDBILINMA

MARY LOU FULTON COLLEGE OF EDUCATION, TEMPE

Contact: <http://education.asu.edu/> | cnigrad@asu.edu | Farmer Building 434 | 4809654602 | 1911

Official Degree Awarded: Curriculum and Instruction (Bilingual Education) (MA)

Program Description: The Master of Arts Degree in Curriculum and Instruction is intended for students wishing to conduct original research and continue on for the PhD. The MA concentration in bilingual education is designed to provide coursework related to bilingual education in US settings (SLA theory, bilingual programs and methods, and bilingual assessment) along with coursework in research methods to be used in the design and implementation of the thesis. The BLE concentration offers advanced coursework in research methodology, theory and practice in the area of bilingual education. Candidates for the MA in bilingual education must be able to demonstrate proficiency in a language other than English.

Program Requirements: The Master of Arts Degree in Curriculum and Instruction is intended for students wishing to conduct original research and continue on for the PhD. The MA concentration in bilingual education requires 30 semester hours is designed to provide coursework related to bilingual education in US settings (SLA theory, bilingual programs and methods, and bilingual assessment) along with coursework in research methods to be used in the design and implementation of the thesis. The BLE concentration offers advanced coursework in research methodology, theory and practice in the area of bilingual education. Candidates for the MA in bilingual education must be able to demonstrate proficiency in a language other than English.

Admission Requirements: The following are required: application to the Graduate College, transcripts, letter of intent/statement of purpose and three letters of recommendation from individuals who can speak to the applicants potential for success in a graduate programs. Additional materials may be required to gain admission into certain programs/cohorts. For specific information regarding admission requirements, see <http://coe.asu.edu/candi>.

Bilingual Education (MEd) EDBILINMED

MARY LOU FULTON COLLEGE OF EDUCATION, TEMPE

Contact: <http://education.asu.edu/> | cnigrad@asu.edu | Farmer Building 434 | 4809654602 | 1911

Official Degree Awarded: Curriculum and Instruction (Bilingual Education) (MEd)

Program Description: The Master of Education degree (MEd) in Curriculum and Instruction with a concentration in bilingual education is designed for practitioners to facilitate the development of advanced professional knowledge of research, theory and practice in the area of bilingual education. The Master of Education degree in Curriculum and Instruction is intended for students who are currently teaching in a bilingual program, typically at the K-8 level of education. The MEd in Curriculum and Instruction with a concentration in Bilingual Education is designed to provide coursework related to bilingual education in U.S. settings (SLA theory, bilingual programs and methods, and bilingual assessment). Candidates for the MEd in Curriculum and Instruction with a concentration in bilingual education must be able to demonstrate proficiency in a language other than English.

Program Requirements: A minimum of 30 hours of graduate credit is required for the MEd in Curriculum and Instruction. Each student is assigned a graduate advisor to design the program of study. Students in this program will complete either a comprehensive examination, a research project or an applied project as a culminating activity after completing at least 24 of the 30 credit hours listed on the program of study. Students must choose their culminating activity (written examination, research project or applied project) in consultation with their faculty advisor before completing their program of study. Students who choose to complete an applied project must enroll in Teacher as Researcher the semester prior to completing the applied project, and they must meet with their graduate advisor for approval of the applied project. For more information, refer to the Curriculum and Instruction MEd Student Handbook.

Admission Requirements: The following are required: application to the Graduate College, transcripts, letter of intent/statement of purpose and three letters of recommendation from individuals who can speak to the applicants potential for success in a graduate programs. Additional materials may be required to gain admission into certain programs/cohorts. For specific information regarding admission requirements, see <http://coe.asu.edu/candi>.

Counseling (MC) EDCOUNMC

MARY LOU FULTON COLLEGE OF EDUCATION, TEMPE

Contact: http://education.asu.edu | dpe@asu.edu | EDB 302 | 480/965-3384 | 0611

Official Degree Awarded: Counseling (MC)

Program Description: The mission of the Master of Counseling (MC) program is to prepare students to become professional counselors, culturally competent to work with diverse clientele in a variety of community settings in Arizona and other states.

Counselors seek to prevent or treat psychological problems and to promote the health of individuals, families, groups, and organizations in a multicultural and diverse society. The MC program was designed according to the standards for community counseling by the Council for the Accreditation of Counseling and Related Educational Programs (CACREP).

The faculty has endorsed the Multicultural Counseling Competencies of the American Counseling Association and the Guidelines on Multicultural Education, Training, Research, Practices, and Organizational Change for Psychologists and Guidelines for Psychotherapy with Lesbian, Gay, and Bisexual Clients of the American Psychological Association.

Program Requirements: The MC degree is a 60 semester hour professional program. The program can be completed in no less than two years. Most students can complete the program in two to three years. The program is not designed to be a part-time program.

The Practitioner Option places considerable emphasis on supervised field experiences. A comprehensive exam is required to complete this option.

The Research Option places considerable emphasis on developing research competencies. Successful completion of a master's thesis is required in this option. The School Counseling Option provides added training in issues related to counseling in the schools (K-12 education). Considerable emphasis is placed on supervised experience in the schools.

Admission Requirements: Applicants to programs within the Division of Psychology in Education must first meet the Graduate College requirements for admissions (e.g. minimum 3.00 junior/senior GPA; English language proficiency). Psychology in Education further requires that all applicants score at least 5.5 on the FRK index. Applicants are required to take the aptitude sections (Verbal and Quantitative) of the Graduate Record Examination (GRE). The test must be retaken if scores are more than five years old. All students must be graduates of accredited higher education institutions.

Non-Academic/Professional/Life Experiences

Applicants are required to submit a three to five page personal statement which will include information on significant life experiences, professional experiences, personal attributes, personal and professional goals, and other information which will assist the faculty in evaluating the applicant.

Recommendations

Three recommendation forms are to be submitted. These should be completed by persons able to evaluate the applicant's academic potential, professional experience, and personal attributes. For further information, go to http://education.asu.edu/prospective_students/graduate_studies/counselor_ed_mc.dot.

Counseling Psychology (PhD) EDCPSYPHD

MARY LOU FULTON COLLEGE OF EDUCATION, TEMPE

Contact: <http://education.asu.edu> | dpe@asu.edu | EDB 302 | 480/965-3384 | 0611

Official Degree Awarded: Counseling Psychology (PhD)

Program Description: The doctoral program in Counseling Psychology at ASU closely adheres to the scientist-practitioner training model in preparing graduates for employment in academic and/or service delivery settings. Although faculty interests are diverse, there is a common emphasis on empirical data as the basis for professional practice. The program faculty has endorsed the Multicultural Counseling Competencies of the American Counseling Association and the Guidelines on Multicultural Education, Training, Research, Practice, and Organizational Change for Psychologists and Guidelines for Psychotherapy with Lesbian, Gay, and Bisexual Clients of the American Psychological Association. The CPY program is committed to the scientist practitioner model. One manifestation of that commitment is the three complementary functions of the program's Counselor Training Center, namely service delivery, clinical training, and research. Research foci include: multiculturalism, at-risk populations, positive psychology, process/outcome in therapy, supervision, training, and career development.

Program Requirements: Our doctoral curriculum typically requires three to five years of full-time graduate study plus a year-long internship in an APA- approved setting. Each of these years involves course work pertaining to theory, research, and practices in Counseling Psychology. Students are expected to maintain full-time status. Full-time status involves being registered for at least

nine credits per semester in the course work years. This requirement applies only to the academic year and not summer sessions. At a minimum, students are required to complete two years of course work in residence at ASU. Students will complete 113 semester credits, a written comprehensive examination and a successful dissertation defense prior to graduation.

Admission Requirements: Applicants to doctoral study in Counseling Psychology must first submit a Graduate College application and then meet the Division of Psychology in Education admissibility standard. A minimum FRK index of 5.5 is required for admission to graduate study in the division. The following supplemental materials are required by the Counseling Psychology program: three letters of recommendation. We prefer that two of these letters be from persons familiar with your academic work; a brief personal statement (600 words or less) describing your history, your academic and professional goals, and your reasons for selecting the Counseling Psychology program at ASU; a completed Biographical Information Form; a seven-page sample of your expository writing (e.g., taken from a paper you have prepared for a course or a report on a project you have completed in our field). All of your application materials must be submitted by December 1 in order to ensure consideration from admission the following fall semester.

For further information, go to http://education.asu.edu/prospective_students/graduate_studies/counseling_psychology.dot.

Counselor Education (MEd) EDCOUNEMED

MARY LOU FULTON COLLEGE OF EDUCATION, TEMPE

Contact: <http://education.asu.edu> | dpe@asu.edu | EDB 302 | 480/965-3384 | 0611

Official Degree Awarded: Counselor Education (MEd)

Program Description: The Master of Education in Counseling (M.Ed.) at ASU is for certified or certifiable teachers which provide the following:

- A greater understanding of the psychological and behavioral development of individual students,
- A greater understanding of the dynamics and use of groups in the instructional process,
- A greater understanding of principles of testing and vocational and career dynamics that have applications in the instructional process,
- A greater understanding of the effective utilization of school specialists in aiding student development,
- A greater understanding of the role of the school counselor in the instructional process.

The M.Ed. in Counseling is generally chosen as a student's fifth year of teacher preparation. The M.Ed. degree alone does not provide academic preparation for the State certification as a school counselor. Students interested in becoming a school counselors should apply to the Master of Counseling (M.C.) degree.

Program Requirements: A minimum of 30 semester hours are required: Analysis of the Individual; Theories of Counseling; Psychological Tests; Occupations and Career; Group Procedures; Field Based Experience; Evaluation in School Settings; Multicultural Counseling. Professional Education Core: Introduction to Research and Evaluation In Education; Intro to Quantitative Methods (required if an undergraduate statistics course was not taken). Students in the M.Ed. program are required to complete a comprehensive examination based on the required courses in the program.

Admission Requirements: Factors which are evaluated in the admission process include:

1. academic potential as measured by the FRK index,
2. professional training and experiences in education, and
3. a recommendation from a professional within the schools setting.

Applicants must first meet the requirements for admission set by the Graduate College (e.g. minimum 3.00 junior and senior GPA) and meet the English Language Requirement. (See the Graduate Catalog.) Psychology in Education further requires that all applicants score at least 5.5 on the FRK index.

Applicants to the M.Ed. in Counseling are also required to submit scores from the aptitude sections of the Graduate Record Examination (GRE) taken within the last five years. Applicants are required to submit a personal statement (three to five pages) that will include information on significant educational and work experiences and other information that will assist the faculty in evaluating the application. One letter of recommendation is required. The letter should be written by a school principal or counselor who can evaluate the applicant's professional experience and personal attributes. For further information, go to http://education.asu.edu/prospective_students/graduate_studies/.

Curriculum Studies (EdD) EDCURSTEDD

MARY LOU FULTON COLLEGE OF EDUCATION, TEMPE

Contact: <http://coe.asu.edu/candi> | cnigrad@asu.edu | ED 434 | 4809654602 | 1911

Official Degree Awarded: Curriculum and Instruction (Curriculum Studies) (EdD)

Program Description: The mission of the curriculum studies concentration is to produce scholars who can contribute to the knowledge base underlying curriculum theory; to provide experts in the overall design, implementation, and evaluation of school curricula; to conduct curriculum research; and to prepare leaders in the field of curriculum studies. Students of curriculum studies examine educational issues that transcend the various areas of educational inquiry as they impact upon the design, implementation, and evaluation of education programs. These issues tend to be holistic and cross-disciplinary. Curriculum inquirers also investigate the relationship between curriculum theory and educational practice and the relationship between school programs and the contours of the society and cultures in which schools are located.

Program Requirements: An individualized program of study is developed for each student under the guidance of the advisor and the Doctoral Committee. The program of study is designed to be consistent with the goals of the student and the requirements of the university.

The minimum requirements for the Doctor of Education degree program are:

Core (15 semester hours):

COE 502 Introduction to Quantitative Research

COE 503 Introduction to Qualitative Research

DCI 791 EdD Doctoral Seminar

DCI 701 Curriculum Theory and Practice

An advanced level research course

Concentration (48 semester hours):

C&I Major Concentration (30 hours):

Minor Concentration (18 semester hours)

Internship (6 semester hours)

The internship experience is designed to provide students with an opportunity to engage in university teaching, research and/or other professional experiences. Students earn six hours of university credit for these experiences.

Admission Requirements: The following are required: application to the Graduate College, transcripts, letter of intent/statement of purpose, curriculum vita (resume), statement of research interests, a writing sample (approximately 10 pages long), GRE scores and three letters of recommendation from individuals who can speak to the applicant's potential for success in a graduate program. Additional materials may be required to gain admission into certain programs/cohorts. For specific information regarding admission requirements, see <http://coe.asu.edu/candi>. Admission to the program is contingent upon the commitment from an approved mentor in the concentration to advise the applicant.

Curriculum Studies (PhD) EDCURSTPHD

MARY LOU FULTON COLLEGE OF EDUCATION, TEMPE

Contact: <http://coe.asu.edu/candi> | cnigrad@asu.edu | Farmer Building 434 | 4809654602 | 1911

Official Degree Awarded: Curriculum and Instruction (Curriculum Studies) (PhD)

Program Description: The Interdisciplinary Ph.D. Program in the Division of Curriculum and Instruction is designed to be highly experiential in endeavor that addresses distinct and important educational issues. The Curriculum Studies concentration addresses distinct and important educational issues. These issues transcend the various areas of educational inquiry as they impact upon the design, implementation, and evaluation of education programs. These issues tend to be holistic and transdisciplinary, concerned with interrelationships of various concentration areas. Questions considered include: What should be taught in schools? Why should it be taught? To whom should it be taught? What does it mean to be an educated person? Curriculum inquirers also investigate the relationship between curriculum theory and educational practice and the relationship between school programs and the contours of the society and cultures in which schools are located.

Program Requirements: The PhD program requires 93 semester hours, a dissertation, and written and oral comprehensive examinations.

Core Course Requirements

6 semester hours:

DCI 701 Curriculum Theory and Practice

DCI 702 Interdisciplinary Research Seminar in Curriculum and Instruction Professional

Inquiry and Analysis:

15 semester hours in approaches to education research. Examples of courses that meet this requirement are:

COE 502 Introduction to Quantitative Methods

COE 503 Introduction to Qualitative Methods

DCI 691 Narrative Research in Education

DCI 791 Discourse Analysis

Major Area of Concentration

30 semester hours are required of doctoral students in Curriculum Studies.

Six required core Curriculum Studies courses are:

DCI 691 Perspectives on Curriculum

DCI 691 Critical Theory and Curriculum

One Course in Curriculum Policy:

SPF 691 Cultural Studies in Education

One Course in Comparative/ International Curriculum:

DCI 691 Special Topics in Curriculum

The remaining 12 hours of course work in this area is determined by the student's area of sub-specialization and anticipated focus of the dissertation.

Internships

Six semester hours consisting of three two-semester-hour doctoral internships are required in the areas of research and college teaching. One area must be chosen twice. During the course of the internship, the student works closely with selected Curriculum Studies Program faculty members from the Interdisciplinary Committee on Curriculum and Instruction or other faculty members designated by the Interdisciplinary PhD Degree Program in Curriculum and Instruction.

Cognate Study

Twelve semester hours are required for students to broaden their understanding of the conceptual base and issues underlying the field of Curriculum Studies. Students will take course work outside of Curriculum Studies. Cognate studies can be drawn from a broad range of offerings, both from within and outside the College of Education.

Dissertation and Independent Research

Twenty-four semester hours are taken to demonstrate that the student is capable of conducting high quality original research. The research is to be conceived and carried out in such a manner as to make a contribution to advancing scholarship in Curriculum Studies.

Doctoral students are also encouraged to participate in the Preparing Future Faculty Program offered by the Graduate College of Arizona State University. This program consists of two semester hours in which students learn faculty roles and responsibilities and participate in an ongoing series of integrative and collaborative seminars coordinated with the Graduate College. Students have the opportunity to develop and participate in interdisciplinary teaching, research, and service activities.

Admission Requirements: The following are required: application to the Graduate College, transcripts, letter of intent/statement of purpose, curriculum vita (resume), statement of research interests, a writing sample (approximately 10 pages long), GRE scores and three letters of recommendation from individuals who can speak to the applicant's potential for success in a graduate program. Additional materials may be required to gain admission into certain programs/cohorts. For specific information regarding admission requirements, see <<http://coe.asu.edu/candi>>. Admission to the program is contingent upon the commitment from an approved mentor in the concentration to advise the applicant.

Early Childhood Education (EdD) EDCHILDEDD

MARY LOU FULTON COLLEGE OF EDUCATION, TEMPE

Contact: <http://coe.asu.edu/candi> | cnigrad@asu.edu | ED 434 | 4809654602 | 1911

Official Degree Awarded: Curriculum and Instruction (Early Childhood Education) (EdD)

Program Description: Early childhood education encompasses education and care of children from birth through the primary grades. The discipline of early childhood education includes the ability to communicate and work with parents and other adults and agencies that serve young children. The field requires professionals who can (1) educate and research to provide programs and services that are appropriate for young children from diverse backgrounds, and (2) conduct research on the range of issues influencing young children's education and well-being.

The goals of the doctoral program in early childhood education are to mentor scholars who:

1. Generate research that will influence policy and practice regarding the care and education of young children in multiple contexts.
2. Plan and implement teacher education and professional development programs and related research.
3. Serve as leaders in the field of early childhood education.
4. Exhibit critical thinking grounded in a range of theoretical frameworks and research methodologies related to and influencing childhood studies and early education.

Upon completion of course work and prior to candidacy, students must take a comprehensive examination that demonstrates knowledge of the field and knowledge of research philosophies and methodologies related to early childhood education. This examination is typically a written response to questions related to the research literature in the field and/or professional development experiences (e.g., writing an article and/or grant proposal, or designing a research study), posed by five committee members.

In this culminating study, the student pursues an educational problem or issue of concern, grounding this effort in research and scholarship. The culminating study may take the form of either a traditional dissertation or a scholarly applied project. Examples of a scholarly applied project include: a set of curriculum materials, a computerized database for instruction, a film or videotape series, or a program and materials for staff development. The scholarly applied project must be accompanied by a formal written report including: a rationale justified theoretically and with research, an explication of the theoretical grounds for the perspective and content of the project (as well as issues raised within that content), a review of the literature related to that content, a comprehensive documentation of the development of the project, and a full discussion of the local and wider social implications of applying what is produced by the project.

Program Requirements: The Curriculum and Instruction EdD program requires at least 93 semester hours beyond the bachelor's degree, dissertation, and written and oral comprehensive examinations. Students with a master's degree directly related to the anticipated course of study must complete at least 54 semester hours (documented in an approved program of study) taken at Arizona State University, and a minimum of 24 semester hours in independent research and dissertation, directed by a duly qualified dissertation chairperson.

Early Childhood Education Concentration: 30 semester hours from a range of foundational and emerging courses in the field; several new courses have been developed recently, emphasizing a range of theoretical and methodological approaches to childhood studies and emphasizing social policy and advocacy. A professional development seminar is also offered each semester, which provides practical experiences related to higher education in early childhood education.

Curriculum and Instruction Core Requirements: six semester hours of Interdisciplinary Research Seminar in Curriculum and Instruction, and Curriculum Theory and Practice.

Inquiry and Analysis: 15 semester hours, including ontologies and epistemologies of research, overviews of quantitative and qualitative research methods, and in-depth study of particular research philosophies and methods (dependent on student goals and committee advice).

Internships: Six semester hours, concentrating on college teaching, research and public policy/advocacy.

Cognate Study: 12 semester hours that provide an interdisciplinary element to the program. With the advice and approval of the program chair and the student's committee, the student chooses a cognate area of study suitable to individual goals.

Dissertation and Independent Research: 24 semester hours of independent research leading to completion of an approved dissertation.

Residency: During the first two years of the EdD program, students must complete a total of at least 24 hours of course work in four consecutive semesters that may include summer. This includes enrollment in the required EdD seminar (DCI 791).

Upon completion of course work and prior to candidacy, students must take a comprehensive examination that demonstrates knowledge of the field and knowledge of research philosophies and methodologies related to early childhood education. This examination is typically a written response to questions related to the research literature in the field and/or professional development experiences (e.g., writing an article and/or grant proposal, or designing a research study), posed by five committee members.

In this culminating study, the student pursues an educational problem or issue of concern, grounding this effort in research and scholarship. The culminating study may take the form of either a traditional dissertation or a scholarly applied project. Examples of a scholarly applied project include: a set of curriculum materials, a computerized database for instruction, a film or videotape series, or a program and materials for staff development. The scholarly applied project must be accompanied by a formal written report including: a rationale justified theoretically and with research, an explication of the theoretical grounds for the perspective and content of the project (as well as issues raised within that content), a review of the literature related to that content, a comprehensive documentation of the development of the project, and a full discussion of the local and wider social implications of applying what is produced by the project.

Admission Requirements: The following are required: application to the Graduate College, transcripts, letter of intent/statement of purpose, curriculum vita (resume), statement of research interests, a writing sample (approximately ten pages long), GRE scores and three letters of recommendation from individuals who can speak to the applicant's potential for success in a graduate programs. Additional materials may be required to gain admission into certain programs/cohorts. For specific information regarding admission requirements, see <http://coe.asu.edu/candi>.

Admission to the program is contingent upon the commitment from an approved mentor in the concentration to advise the applicant.

Early Childhood Education (MA) EDCHILDMA

MARY LOU FULTON COLLEGE OF EDUCATION, TEMPE

Contact: <http://coe.asu.edu/candi> | cnigrad@asu.edu | ED 434 | 4809654602 | 1911

Official Degree Awarded: Curriculum and Instruction (Early Childhood Education) (MA)

Program Description: The Master of Arts degree (MA) in Curriculum and Instruction with a concentration in early childhood education is a research degree program designed to facilitate the development of advanced level professional knowledge, skills and understanding. MA students complete a hybrid program with a mix of off-campus cohort coursework and on-campus master's and doctoral coursework. Early childhood education encompasses education and care of children from birth through the primary grades. The discipline of early childhood education includes the ability to communicate and work with parents and other adults and agencies that serve young children. The program prepares professionals who can (1) educate and conduct research to provide programs and services that are appropriate for young children from diverse backgrounds, and (2) conduct research on the range of issues influencing young children's education and well-being.

Program Requirements: A minimum of 30 semester hours and a thesis is required for the Master of Arts (MA) in Curriculum and Instruction. Curriculum and Instruction MA students are assigned an advisor at the time of their admission. The advisor assists in selecting the Graduate Committee and serves as chair of the student's Graduate Committee. Each MA degree candidate must form a Graduate Committee in consultation with their advisor and complete a thesis, under the direction of the thesis advisor. The Graduate Program Committee must be formed prior to completing 12 hours of credit in the program. Because of the research component, students enrolling in the MA degree typically need more than 30 hours to complete the degree. Each MA candidate will complete a thesis after completing at least 24 hours in the program. Six semester hours of thesis are required along with a minimum of 24 semester hours of approved coursework.

Admission Requirements: The following are required: application to the Graduate College, transcripts, letter of intent/statement of purpose and three letters of recommendation from individuals who can speak to the applicant's potential for success in a graduate program. Additional materials may be required to gain admission into certain programs/cohorts. For specific information regarding admission requirements, see <http://coe.asu.edu/candi>.

Early Childhood Education (PhD) EDCHILDPHD

MARY LOU FULTON COLLEGE OF EDUCATION, TEMPE

Contact: <http://coe.asu.edu/candi> | cnigrad@asu.edu | ED 434 | 480/965-4602 | 1911

Official Degree Awarded: Curriculum and Instruction (Early Childhood Education) (PhD)

Program Description: Early childhood education encompasses education of children from birth through the primary grades. The age levels involved necessitate work with parents and other adults and agencies that serve young children as well. The field requires skilled professionals who can prepare educators and researchers to provide programs and services that are developmentally appropriate for young children and to conduct research regarding those issues.

The early childhood education program area presently is a part of the Division of Curriculum and Instruction within the College of Education. The PhD concentration in early childhood education is an integral part of the interdisciplinary PhD degree in Curriculum and Instruction, and is a major area of concentration (30 semester hours minimum) within the professional focus component of the program of study.

The goals of the doctoral program in early childhood education are to mentor scholars who:

1. generate research that will influence policy and practice regarding the care and education of young children in multiple contexts,
2. plan and implement teacher education and professional development programs and related research,
3. serve as leaders in the field of early childhood education,
4. exhibit critical thinking grounded in a range of theoretical frameworks and research methodologies related to and influencing childhood studies and early education.

Program Requirements: The Curriculum and Instruction PhD program requires at least 93 semester hours beyond the bachelor's degree. Students with a master's degree directly related to the anticipated course of study must complete at least 54 semester hours (documented in an approved program of study) taken at ASU, and a minimum of 24 semester hours in independent research and dissertation, directed by a duly qualified dissertation chairperson.

Early Childhood Education Concentration: 30 semester hours from a range of foundational and emerging courses in the field; several new courses have been developed recently, emphasizing a range of theoretical and methodological approaches to childhood studies and emphasizing social policy and advocacy. A professional development seminar is also offered each semester, which provides practical experiences related to higher education in early childhood education.

Curriculum and Instruction Core Requirements: six semester hours of Interdisciplinary Research Seminar in Curriculum and Instruction, and Curriculum Theory and Practice.

Inquiry and Analysis: 15 semester hours, including ontologies and epistemologies of research, overviews of quantitative and qualitative research methods, and in-depth study of particular research philosophies and methods (dependent on student goals and committee advice).

Internships: six semester hours, concentrating on college teaching, research, and public policy/advocacy.

Cognate Study: 12 semester hours that provide an interdisciplinary element to the program. With the advice and approval of the program chair and the student's committee, the student chooses a cognate area of study suitable to individual goals.

Dissertation and Independent Research: 24 semester hours of independent research leading to completion of an approved dissertation.

The Curriculum

The curriculum requires that, after admission to the Curriculum and Instruction PhD program and prior to the completion of the comprehensive examination, at least two consecutive semesters (not including summer sessions) be spent as a full-time student on ASU's campus in Tempe.

Upon completion of course work and prior to candidacy, students must take a comprehensive examination that demonstrates knowledge of the field and knowledge of research philosophies and methodologies related to early childhood education. This examination is typically a written response to questions related to the research literature in the field and/or professional development experiences (e.g., writing an article and/or grant proposal, or designing a research study), posed by five committee members.

A dissertation is required, which is expected to demonstrate the student's skills in research design, implementation, and interpretation (as described in the program of study).

Admission Requirements: The following are required:

1. application to the Graduate College,
2. transcripts,
3. letter of intent/statement of purpose,
4. curriculum vita (resume),
5. statement of research interests,
6. a writing sample (approximately ten pages in length),
7. GRE scores and three letters of recommendation from individuals who can speak to the applicant's potential for success in a graduate programs.

Additional materials may be required to gain admission into certain programs/cohorts. For specific information regarding admission requirements, see <http://coe.asu.edu/candi>. Admission to the program is contingent upon the commitment from an approved mentor in the concentration to advise and mentor the applicant.

Early Childhood Education - Tempe Campus (MEd) EDCHILDMED

MARY LOU FULTON COLLEGE OF EDUCATION, TEMPE

Contact: <http://coe.asu.edu/candi> | cnigrad@asu.edu | Farmer Building 434 | 4809654602 | 1911

Official Degree Awarded: Curriculum and Instruction (Early Childhood Education) (MEd)

Program Description: The Master of Education degree (MEd) in Curriculum and Instruction with a concentration in early childhood education is a practitioner's degree program designed to facilitate the development of advanced level professional knowledge, skills and understanding. The newly revised program emphasizes inclusion practices in early education classrooms. Course work focuses on developmental diversity, full inclusion practices and culturally relevant early education. New certification requirements are also reflected in this program. Early childhood education encompasses education and care of children from birth through the primary grades. The discipline of early childhood education includes the ability to communicate and work with parents and other adults and agencies that serve young children. The program prepares professionals who can (1) educate and research to provide programs and services that are appropriate for young children from diverse backgrounds, and (2) conduct research on the range of issues influencing young children's education and well-being. We also offer an Early Childhood Education MEd program. It is 100 percent online following a one-day orientation which is presented at the beginning of each semester. Supervised Pre-K internship/student teaching (four semester hours) and a passing score on the early childhood subject knowledge portion of the Arizona Educator Proficiency Assessment is required for the endorsement.

Program Requirements: A minimum of 30 semester hours of graduate credit is required for the MEd in Curriculum and Instruction. Each student is assigned a graduate advisor to design the program of study. Students in this program will complete either a comprehensive examination, a research project or an applied project as a culminating activity after completing at least 24 of the 30 semester hours listed on the program of study. Students must choose their culminating activity (written exam, research project or applied project) in consultation with their faculty advisor before completing their program of study. Students who choose to complete an applied project must enroll in "Teacher as Researcher" the semester prior to completing the applied project, and they must meet with their graduate advisor for approval of the applied project. For more information, refer to the Curriculum and Instruction MEd Student Handbook.

Admission Requirements: The following are required: application to the Graduate College, transcripts, letter of intent/statement of purpose and three letters of recommendation from individuals who can speak to the applicant's potential for success in a graduate programs. Additional materials may be required to gain admission into certain programs/cohorts. For specific

Educational Administration and Supervision (EdD) EDSUPVEDD

MARY LOU FULTON COLLEGE OF EDUCATION, TEMPE

Contact: <http://education.asu.edu> | deltadocs@asu.edu | ED 120H | 4809657224 | 2411

Official Degree Awarded: Educational Administration and Supervision (EdD)

Program Description: The D.E.L.T.A. Doctorate Program is a professional leadership educational program designed for practicing professionals seeking an alternative to traditional graduate programs. The program seeks applicants who are practicing teacher leaders, school or district administrators, and government educational personnel. After careful screening, cohorts of approximately 25 students are admitted and remain together for the entire program. Courses are taught by a dynamic faculty composed of full-time ASU professors along with clinical courses taught by successful practicing administrators. A component of this unique program is international travel opportunities designed to prepare leaders who are ready to address education issues within global contexts and better serve the needs of students with diverse languages and cultures. Program goals are geared to develop leaders with knowledge and deep understandings of:

1. leadership for innovation and change,
2. the needs of schools in urban settings,
3. educational equity and social justice,

4. curricular and instructional leadership,
5. indigenous and immigrant communities,
6. binational, international and global issues in education,
7. research in applied settings, and
8. Spanish or another language relevant to the Southwest.

Program Requirements: The D.E.L.T.A. program curriculum focuses on five areas:

1. research/evaluation and assessment,
2. diversity/international/binational and global studies,
3. a leadership core,
4. internships/fieldwork/action research, and
5. research proposal development/dissertation.

The degree requirements include:

1. Successful completion of 90 graduate credits of which 30 may be met by a previously awarded master's degree.
2. Successful completion of a pre-proposal/research prospectus including a review of literature at the end of the second year (this requirement satisfies the written comprehensive examination).
3. Successful completion of a dissertation research proposal with committee approval at the end of the second year/beginning of the third year.
4. Successful completion of a doctoral dissertation with oral defense.

All classes are taken with the cohort and no other course work can be substituted.

Admission Requirements: Admission Requirements:

- Master's Degree in Education or related field
- Three years teaching experience preferred
- GRE Scores
- Demonstrated potential for educational leadership

For specific application information, contact
 Arizona State University
 Graduate College
 Interdisciplinary B, Rm 170
 PO Box 871003
 Tempe AZ 85287-1003
 PH: 480/965-6113

Educational Administration and Supervision (MEd) EDSUPVMED

MARY LOU FULTON COLLEGE OF EDUCATION, TEMPE

Contact: <http://education.asu.edu> | delps@asu.edu | Farmer Building 120 | 4809656357 | 2411

Official Degree Awarded: Educational Administration and Supervision (MEd)

Program Description: The Master of Education degree in Educational Administration and Supervision is designed to develop instructional leaders for the 21st Century. Students in this program will learn how to create and sustain collaborative environments in pre-K-12 schools that support learning for all children. Central to the purpose of the program is the identification, development and articulation of organizational goals that enhance learning, curriculum, instruction, assessment and leadership. An emphasis on practical application will assure the identification and collection of those tools and techniques deemed essential for effective management.

Program Requirements: The program of study consists of 36 credit hours of course work. Of these hours, 30 hours must be in area of Educational Administration. The remaining 6 hours are foundational core requirements. A capstone course, EDA 691, or a written comprehensive exam is required.

Admission Requirements: Applications for the M. Ed. in Educational Administration and Supervision are due on February 1 for cohort groups starting during the summer sessions, on April 1 for cohort groups starting during the fall semester, and on October 1 for cohort groups starting during the spring semester. No test scores are required for applicants. Applicants must provide an online application, official transcripts, and application fee to the Graduate College admissions office. The Division of Educational Leadership and Policy requires a supplemental application, letter of intent, resume and three letters of recommendation.

Educational Leadership/Policy Studies (PhD) EDLDRSHPHD

MARY LOU FULTON COLLEGE OF EDUCATION, TEMPE

Contact: <http://education.asu.edu> | delps@asu.edu | Farmer Building 120 | 4809656357 | 2411

Official Degree Awarded: Educational Leadership and Policy Studies (PhD)

Program Description: The Division of Educational Leadership and Policy Studies offers a Ph.D. in Educational Leadership and Policy Studies that emphasizes methods of policy analysis and provides for specializations in particular disciplines. Education policy studies deal with the entire process by which society derives, institutes, evaluates and modifies the rules, both stated and unspoken, by which the educational system runs. Doctoral students receive course work and practical experiences in a variety of special contexts, including higher education, elementary and secondary schools, and education governing bodies. The faculty seeks to train persons who will teach or pursue policy studies in school districts, government agencies and universities.

Program Requirements: Requirements for the PhD degree consist of:

- a minimum of 84 hours of course work specified in a student's Program of Study,
- comprehensive exams, and
- successful defense of a Dissertation.

There is a 10-year time limit for PhD students, starting at the time of admission. Students entering the PhD program with a Masters degree in a related discipline and with credit for between 24 and 30 semester hours of graduate course work will be expected to earn a total of 84 hours past the B.A. including the transferred Masters hours; of these 84 hours, 54 must be earned at ASU. Students can use a block of 30 credits from a previously awarded master's degree plus 12 credits not used in any previous degree program as part of the PhD required credits, only if they can prove by a master's POS that these credits were not required for their master's. Students who withdraw from a master's in order to start a PhD, lose all credits except the 12 allowed to be brought forward.

Admission Requirements: Admission to the PhD program in the Division is based on undergraduate and/or graduate GPA's, scores on the GRE (Graduate Record Exam) or GMAT (Graduate Management Aptitude Test), letters of recommendation, a letter of intent, work and academic experiences, and the availability of faculty to supervise the academic area of interest. Citizens of Mexico applying to the PhD program may substitute the EXAMI III that is required by CONACYT of all applicants for a fellowship from the Mexican government.

The program does not have a minimum cut-off score for either the GRE or the GMAT. International applicants must have a TOEFL score of at least 550 on the paper test, 213 on the computer-based TOEFL, and 83 on the iBT (Internet-based) version of TOEFL. Applicants are not required to submit a TOEFL score if (1) they graduated from a college or university in a country whose native language is English, or (2) if they have had immigrant status (permanent residency) in the U.S. for at least 18 months. Test results should be reported to the Graduate College directly by ETS.

Deadlines for application to the PhD program are January 1 and March 1 of each year for entry into the program fall semester. To be considered in the January or March admissions meeting, applications must be complete by the first day of the respective month.

Students entering the program must have a bachelor's or master's degree in education or an appropriate subject field (e.g., anthropology, economics, history, philosophy or sociology). Students applying to the PhD program with a BA degree or students with a master's-level degree in an unrelated discipline (e.g., fine arts, physical sciences, or business) will complete a Master's of arts in Passing in Social and Philosophical Foundations. In selecting qualified applicants, a candidate's background, career aspirations that are consistent with program goals, and a willingness to devote primary attention to courses and experiences on campus are very important.

Admissions information (and application forms) for this and other graduate programs is available online at <http://education.asu.edu>.

Educational Psychology (MA) EDPSYCHMA

MARY LOU FULTON COLLEGE OF EDUCATION, TEMPE

Contact: <http://education.asu.edu/> | dpe@asu.edu | EDB 302 | 480/965-3384 | 0611

Official Degree Awarded: Educational Psychology (MA)

Program Description: Each student's program is prepared in consultation with the supervisory committee, consisting of a chair and two or more faculty members. Applicants to the MA in Educational Psychology must indicate which specialization they wish to study. Areas of specialization are 1) Learning, 2) Lifespan Developmental Psychology, and 3) Measurement, Statistics, and Methodological Studies.

Program Requirements

1. 30 semester credit hours,
2. written comprehensive examination,
3. successful thesis defense.

Admission Requirements:

- Graduate College application
- See your area of specialization on the Web site at http://education.asu.edu/prospective_students/graduate_studies for additional information.

Educational Technology (Art, Media and Engineering) (PhD) EDAMEPHD

MARY LOU FULTON COLLEGE OF EDUCATION, TEMPE

Contact: <http://coe.asu.edu/psyched/edtech/> | coe.asu.edu/psyched | EDB 121 | 480/965-7192 | 0611

Official Degree Awarded: Educational Technology (Arts, Media and Engineering) (PhD)

Program Description: Educational Technology (Art, Media and Engineering)(PhD)

Educational Psychology (MEd) EDPSYCHMED

MARY LOU FULTON COLLEGE OF EDUCATION, TEMPE

Contact: <http://education.asu.edu/> | dpe@asu.edu | EDB 302 | 480/965-3384 | 0611

Official Degree Awarded: Educational Psychology (MEd)

Program Description: Educational Psychology offers a Master of Education degree for persons who wish to further prepare themselves as classroom teachers or for other positions related to instruction. Students completing this program are not expected to continue into the PhD in Educational Psychology.

Program Requirements: A minimum of 36 semester hours and a comprehensive examination are required.

Educational Psychology Core:

Introduction to Research and Evaluation
Learning and Instruction
Child Development
Psychology of the Adolescent

Focus Studies:

Three or four courses related to a topic chosen by the student.

Admission Requirements:

- Graduate College application with transcripts from a previously attended institution.
- Individual Resume. This document should include your higher education background, classroom teaching, other employment experiences, public service affiliation with professional organizations, awards, presentations, publications, and descriptions of non-academic interests.
- Statement of Goals. This one or two-page narrative should identify the career path that you wish to pursue, indicate how your preparation to date contributes to the plan, and tell how a degree in educational psychology can attain your goals.
- Test Scores. Have your scores on the GRE sent to the Graduate College, Arizona State University, PO Box 871003, Tempe, AZ 85287-1003. In addition to the GRE score requirement, a TOEFL score is required of students whose native language is not English.

For further information, go to <http://education.asu.edu>.

Educational Technology (Grad Certificate) EDEDTGRCT

MARY LOU FULTON COLLEGE OF EDUCATION, TEMPE

Contact: <http://coe.asu.edu/psyched/edtech/> | dpe@asu.edu | 302 Payne | 480/965-3384 | 0611

Official Degree Awarded: Educational Technology (certificate) (CERT)

Program Description: The Graduate Certificate in Educational Technology is designed for individuals interested in gaining proficiency in the design, development and evaluation of instructional systems as well as learning how to utilize various educational technology applications to support learning and performance.

Program Requirements: The certificate consists of 15 semester hours of course work. Students must successfully complete three core courses, one elective course, and one capstone course to complete the certificate. In terms of core courses, students are required to complete the courses listed below.

Core Courses (Three required)

EDT 501 Foundations and Issues in Educational Technology

EDT 502 Design and Development of Instruction

EDT 503 Instructional Media Design

Students must complete one elective course, chosen with their advisor, and a three-semester hour capstone course: EDT 504 Development of Computer-Based Instruction.

Admission Requirements: The Graduate Certificate in Educational Technology is available to all ASU graduate students and to nondegree graduate students provided they meet eligibility criteria. To be eligible for this program, the applicant must (a) hold a bachelor's degree or equivalent from a regionally accredited institution, and (b) have a cumulative junior/senior undergraduate GPA of 3.00 or higher.

All materials listed below must be submitted to the executive committee via the Division of Psychology in Education's admissions secretary:

- Graduate Certificate in Educational Technology Program Application for Admission
- One official copy of all college or university transcripts
- Curriculum vitae or résumé

It is the applicant's responsibility to ensure that all materials arrive; incomplete applications will not be considered.

information regarding admission requirements, see <http://coe.asu.edu/candi>.

Educational Technology (MEd) EDTECHMED

MARY LOU FULTON COLLEGE OF EDUCATION, TEMPE

Contact: <http://education.asu.edu> | dpe@asu.edu | EDB 302 | 480/965-3384 | 0611

Official Degree Awarded: Educational Technology (MEd)

Program Description: The Educational Technology Master's program has a strong focus on instructional design, development, and evaluation, as well as current and emerging trends and technologies. These include human performance technology, training, Web-based learning, distance learning, online learning, technology integration, multimedia learning, and interactive learning environments.

Program Requirements: A minimum of 30 credit hours beyond a bachelor's degree is required. Each student develops a program of study in consultation with a faculty advisor.

Required Courses (18 credit hours):

Foundations and Issues in Educational Technology
 Design and Development of Instruction
 Instructional Media Design
 Development of Computer-Based Instruction
 Theoretical Views of Learning
 Internship (or Practicum)

Elective Courses: 12 credit hours of elective courses from a variety of specialty areas such as instructional design, various technologies, media development, technology integration, distance education, performance improvement, and training. A comprehensive examination is also required

Admission Requirements: Academic requirements for admission to the EDT master's program include:

1. A four-year undergraduate grade point average (GPA) of 3.00 or above, and
2. A score of either 500 or above on the Graduate Record Examination (GRE) verbal section or a scaled score of 400 or above on the Miller Analogies Test (MAT),
3. A score of 550 (paper-based) or 213 (computer-based) or 79 (internet-based) or above on the Test of English as a Foreign Language (TOEFL) for students who do not speak English as their first language,
4. Statement of Professional Goals. Find this form at http://education.asu.edu/about/academic_units/psyched/psyched_forms.dot.
5. Two references. Complete and sign the top portion of each form before giving to the persons who will provide your recommendations. Recommenders may, if they wish, attach original letters on letterhead stationery. Reference forms can be found at http://education.asu.edu/about/academic_units/psyched/psyched_forms.dot.
6. Current resume.

Educational Technology (PhD) EDTECHPHD

MARY LOU FULTON COLLEGE OF EDUCATION, TEMPE

Contact: <http://education.asu.edu> | dpe@asu.edu | EDB 302 | 480/965-3384 | 611

Official Degree Awarded: Educational Technology (PhD)

Program Description: The focus of the PhD program in Educational Technology is on the design, development, and evaluation of instructional systems and on educational technology applications to support learning. The doctoral program emphasizes research using educational technology in applied settings.

The PhD degree in Educational Technology prepares students for a variety of professional positions. Graduates are typically employed as university faculty, educational technologists in universities, community colleges, and schools or as training managers in corporate settings.

Program Requirements: A minimum of 84 semester hours beyond the bachelor's degree. At least 54 of these hours must be taken at Arizona State University after admission to the PhD program. The following 48 credit hours of course work is required for all students in the Educational Technology doctoral program: Foundations and Issues in Educational Technology; Design and Development of Instruction; Instructional Media Design; Development of Computer-Based Instruction; Educational Evaluation; Theoretical Views of Learning; Introduction to Data Analysis; Multiple Regression/Correlation; Research in Educational Technology; Advanced Instructional Development; Advanced Educational Technology Research; and Dissertation. One year full-time in residency, a research publication, and a written comprehensive examination and successful defense of the dissertation are required.

Electives: 36 credit hours minimum

Admission Requirements: Applicants must submit a Graduate College application, transcripts and GRE results. Academic requirements for admission to the Educational Technology doctoral program include: A four-year undergraduate grade-point average (GPA) of 3.20 or above; scores of 500 or above on both the verbal reasoning and quantitative reasoning sections of the Graduate Record Examination (GRE); a score of 4 or above on the analytical writing section of the GRE; a score of 600 (paper-based) or above on the Test of English as a Foreign Language (TOEFL) or 100 iBT is also required for students who do not speak English as their first language. In addition, a statement of professional goals, two professional references, and a resume are needed.

Elementary Education (MA) EDELEMMMA

MARY LOU FULTON COLLEGE OF EDUCATION, TEMPE

Contact: <http://coe.asu.edu/candi> | cnigrad@asu.edu | ED 434 | 4809654602 | 1911

Official Degree Awarded: Curriculum and Instruction (Elementary Education) (MA)

Program Description: Designed as a research degree, the Master of Arts prepares students wishing to continue on to a doctorate. The concentration in elementary education offers advanced coursework in research methodology, theory and practice in the area of elementary education. This concentration encompasses the study of education and care of children through the primary grades. The program integrates professional knowledge and understanding with research skills, demonstrated in the completion of the required thesis.

Program Requirements: A minimum of 30 semester hours of credit and a thesis is required for the Master of Arts (MA) in Curriculum and Instruction. Curriculum and Instruction MA students are assigned an advisor at the time of their admission. The advisor assists in selecting the Graduate Committee and serves as chair of the student's Graduate Committee. Each MA degree candidate must form a Graduate Committee in consultation with the advisor and complete a thesis, under the direction of the thesis advisor. The Graduate Program Committee must be formed prior to completing 12 semester hours of credit in the program. Because of the research component, students enrolling in the MA degree typically need more than 30 hours to complete the degree. Each MA candidate will complete a thesis after completing at least 24 hours in the program. Six semester hours of thesis are required along with a minimum of 24 semester hours of approved coursework.

Admission Requirements: The following are required: application to the Graduate College, transcripts, letter of intent/statement of purpose and three letters of recommendation from individuals who can speak to the applicant's potential for success in a graduate programs. Additional materials may be required to gain admission into certain programs/cohorts. For specific information regarding admission requirements, see <http://coe.asu.edu/candi>.

Elementary Education (MEd) EDELEMMED

MARY LOU FULTON COLLEGE OF EDUCATION, TEMPE

Contact: <http://coe.asu.edu/candi> | cnigrad@asu.edu | ED 434 | 4809654602 | 1911

Official Degree Awarded: Curriculum and Instruction (Elementary Education) (MEd)

Program Description: The Master of Education degree (MEd) in Curriculum and Instruction with a concentration in elementary education is a degree program designed to facilitate development of practitioner knowledge, skills and understanding for teachers in elementary classrooms. Practitioners are usually classroom teachers or individuals preparing to teach, who will focus on developing classroom practices based on current research, the integration of subject matter content in elementary classrooms and a thoughtful examination of their own teaching practices in relation to student learning.

The concentration in elementary education encompasses the study of education and care of children through the primary grades. The program requires students to develop a deeper understanding of the research, theories and methods required of a successful practitioner in the elementary schools of today; including a more advanced understanding of diverse learners in culturally diverse settings.

For students looking for elementary teacher certification, the college offers the Teacher Education and Certification Highway + Masters program (TEACH + ME). TEACH + ME is a masters degree program for individuals who want to teach in elementary school settings (K-8).

Candidates who complete the program receive a MEd in Curriculum and Instruction with a concentration in elementary education and an Institutional Recommendation (IR) for certification in elementary education (K-8). For more information, access http://education.asu.edu/prospective_students/graduate_studies/teachme.dot.

Program Requirements: A minimum of 45 semester hours of graduate credit is required for the MEd in Curriculum and Instruction. Each student is assigned a graduate advisor to design the program of study. Students in this program will complete either a comprehensive examination, a research project or an applied project as a culminating activity after completing at least 24 of the 45 semester hours listed on the program of study. Students must choose their culminating activity (written examination, research project or applied project) in consultation with their faculty advisor before completing their program of study. Students who choose to complete an applied project must enroll in "Teacher as Researcher" the semester prior to completing the applied project, and they must meet with their graduate advisor for approval of the applied project. For more information, refer to the Curriculum and Instruction MEd Student Handbook.

Admission Requirements: The following are required: application to the Graduate College, transcripts, letter of intent/statement of purpose and three letters of recommendation from individuals who can speak to the applicant's potential for success in a graduate programs. Additional materials may be required to gain admission into certain programs/cohorts. For specific information regarding admission requirements, access <http://education.asu.edu>.

English Education (PhD) EDENGLPHD

MARY LOU FULTON COLLEGE OF EDUCATION, TEMPE

Contact: <http://coe.asu.edu/candi> | cnigrad@asu.edu | Farmer Building 434 | 4809654602 | 1911

Official Degree Awarded: Curriculum and Instruction (English Education) (PhD)

Program Description: The Interdisciplinary PhD in Curriculum and Instruction with a concentration in English education is administered through the Division of Curriculum and Instruction with classes in both the College of Education and the College of Liberal Arts and Sciences at ASU. Students receive training and mentoring in five related disciplines: linguistics, second language teaching, rhetoric and composition, research techniques, and the nature of learning. In addition to core requirements, students are involved in seminars and internships.

The program produces teacher trainers and researchers in English education through coursework and mentoring in such areas as:

1. Philosophy and sociology of American education, including such current issues as national and state standards and high stakes testing,

2. English linguistics and issues concerning usage and the teaching of grammar,
3. Subject matter of special interest to secondary level teachers, e.g., literature that appeals to adolescents and will help them develop into lifelong readers, and the development of young people's writing and reading skills for a variety of purposes,
4. The development of critical skills in relation to the Internet and other mass media,
5. Techniques of teaching and political and education issues related to multiculturalism and the teaching of English as a second language,
6. Skills and techniques needed to conduct and report on research as well as to understand other people's research.

The philosophy of our curriculum is based on the belief that doctoral students should receive a graduate experience of classes, seminars, internships and research experiences that make them aware of the basic precepts and controversies in both the historic and current fields of English education.

Program Requirements:

English Department Concentration (33 hours)

These hours should include at least one graduate class, seminar, or internship taken from each of the English education faculty members (Blasingame, Nelson, and Nilsen). ENG 606 Advanced Studies in English Education may be repeated for credit when the specific subjects differ. The internships are divided into three projects of two hours each and should include a research experience, supervising student teachers, taking partial responsibility for teaching an undergraduate English education class, or a special project designed by the student and his or her mentor. The classes should include at least one course in rhetorical analysis, one in literary criticism and one in linguistics.

Cognate Study (12 hours)

Students take work related to English education and the subject of their proposed dissertation. A class in learning theory is recommended. Other courses could be in linguistics, rhetoric and rhetorical theory, literary criticism, teaching English as a second language, popular culture, theater, communications theory, adolescent psychology, educational administration, language and literacy, and child drama, or another area that the PhD committee accepts as relevant to the student's goals.

College of Education (15 hours)

These classes must include the Interdisciplinary Research Seminar in Curriculum and Instruction, which should be taken in the first or second semester. Also required are a graduate class in Curriculum Theory and Practice, an Introduction to Quantitative Methods of Research, an Introduction to Qualitative Methods of Research, and a course in adolescent psychology.

The PhD program requires 93 credit hours, a dissertation, and written and oral comprehensive examinations.

Classes in Research and Inquiry (9 hours)

These additional nine hours of research and inquiry can be chosen either from the English Department or from the College of Education and should relate specifically to the kind of research the student anticipates doing for the dissertation.

Dissertation (24 hours)

At least 12 hours of dissertation credit must be earned after a student has been advanced to candidacy.

Admission Requirements: Admission to the program is open only to those with a minimum of two years' experience teaching English in grades 6-14.

The following are required: application to the Graduate College, transcripts, letter of intent/statement of purpose, curriculum vita (resume), statement of research interests, a writing sample (approximately ten pages long), GRE scores and three letters of recommendation from individuals who can speak to the applicant's potential for success in a graduate programs. Additional materials may be required to gain admission into certain programs/cohorts. For specific information regarding admission requirements, see <http://coe.asu.edu/candi>. Admission to the program is contingent upon the commitment from an approved mentor in the concentration to advise and mentor the applicant.

English as a Second Language - Tempe Campus (MA) EDESLMA

MARY LOU FULTON COLLEGE OF EDUCATION, TEMPE

Contact: <http://coe.asu.edu/candi> | cnigrad@asu.edu | ED 434 | 4809654602 | 1911

Official Degree Awarded: Curriculum and Instruction (English as a Second Language) (MA)

Program Description: The Master of Arts Degree in Curriculum and Instruction is intended for students wishing to conduct original research in US school settings and continue on for the PhD. The MA concentration in English as a second language is designed to provide coursework related to teaching school-aged English learners in US settings (SLA theory, English learner programs and methods, and language assessment) along with coursework in research methods to be used in the design and implementation of the thesis. Note: This degree is not the same as the MTESL degree offered through the English Department.

Program Requirements: A minimum of 30 semester hours of credit and a thesis is required for the Master of Arts (MA) in Curriculum and Instruction. Curriculum and Instruction MA students are assigned an advisor at the time of their admission. The advisor assists in selecting the Graduate Committee and serves as chair of the student's Graduate Committee. Each MA degree candidate must form a Graduate Committee in consultation with the advisor and complete a thesis, under the direction of the thesis advisor. The Graduate Program Committee must be formed prior to completing 12 semester hours of credit in the program. Because of the research component, students enrolling in the MA degree typically need more than 30 hours to complete the degree. Each MA candidate will complete a thesis after completing at least 24 hours in the program. Six credits of thesis are required along with a minimum of 24 semester hours of approved coursework.

Admission Requirements: The following are required: application to the Graduate College, transcripts, letter of intent/statement of purpose and three letters of recommendation from individuals who can speak to the applicant's potential for success in a graduate programs. Additional materials may be required to gain admission into certain programs/cohorts. For specific information regarding admission requirements, see <http://coe.asu.edu/candi>.

English as a Second Language - Tempe Campus (MEd) EDESLMED

MARY LOU FULTON COLLEGE OF EDUCATION, TEMPE

Contact: <http://coe.asu.edu/candi> | cnigrad@asu.edu | Farmer Building 434 | 4809654602 | 1911

Official Degree Awarded: Curriculum and Instruction (English as a Second Language) (MEd)

Program Description: The Master of Education degree (MEd) in Curriculum and Instruction with a concentration in ESL is intended for students who are currently teaching English learners, at the K-12 levels of education. This degree is designed for practitioners to facilitate development of advanced level professional knowledge of research, theory and practice in the area of teaching English learners in school settings. The MEd in English as a second language is designed to provide coursework related to teaching English learners in US settings (SLA theory, English learner programs and methods, and language assessment). Note: This degree is not the same as the MTESL degree offered through the English Department.

Program Requirements: A minimum of 30 semester hours of graduate credit is required for the MEd in Curriculum and Instruction. Each student is assigned a graduate advisor to design the program of study. Students in this program will complete either a comprehensive examination, a research project or an applied project as a culminating activity after completing at least 24 of the 30 semester hours listed on the program of study. Students must choose their culminating activity (written examination, research project or applied project) in consultation with their faculty advisor before completing their program of study. Students who choose to complete an applied project must enroll in "Teacher as Researcher" the semester prior to completing the applied project, and they must meet with their graduate advisor for approval of the applied project. For more information, refer to the Curriculum and Instruction MEd Student Handbook.

Admission Requirements: The following are required: application to the Graduate College, transcripts, letter of intent/statement of purpose and three letters of recommendation from individuals who can speak to the applicant's potential for success in a graduate programs. Additional materials may be required to gain admission into certain programs/cohorts. For specific information regarding admission requirements, see <http://coe.asu.edu/candi>.

Higher and Postsecondary Education (EdD) EDPOSTEDD

MARY LOU FULTON COLLEGE OF EDUCATION, TEMPE

Contact: <http://education.asu.edu> | delps@asu.edu | Farmer Building 120 | 4809656357 | 2411

Official Degree Awarded: Higher and Postsecondary Education (EdD)

Program Description: The Doctorate in Higher and Postsecondary Education (EdD) program is currently being revised. Questions about the EdD should be directed to Dr. Caroline S. Turner at csturner@asu.edu.

Program Requirements: The program requires:

- 90 semester credit hours
- written comprehensive examination
- successful defense of the dissertation

Admission Requirements: Graduate College application and transcripts from previously attended institutions.

Higher and Postsecondary Education (MEd) EDPOSTMED

MARY LOU FULTON COLLEGE OF EDUCATION, TEMPE

Contact: <http://education.asu.edu> | delps@asu.edu | Farmer Building 120 | 4809656357 | 2411

Official Degree Awarded: Higher and Postsecondary Education (MEd)

Program Description: The Master of Education degree (MEd) in Higher and Postsecondary Education is a relevant and applied program designed to shape scholars and leaders with knowledge and skills paralleling the trajectory of the New American University. The program's graduates are prepared to advance student and institutional success across every area of the undergraduate learning experience.

Highlights of the program include:

1. a variety of course delivery formats for students, which help expedite degree attainment,
2. the Graduate Student Success Seminar, which is offered at the beginning of the program. This features MEd peer instructors to help build relationships, create your professional e-portfolio, and to develop skills for student success,
3. offers courses that integrate theory to practice through relevant research, models, applied skills,
4. offers creative practicum experience to advance skills and professional development,
5. collaborates with university learning partners across to fund graduate student through management internship opportunities, and
6. culminates with an applied project (nonthesis) that demonstrates the student's learning and development for in job applications, professional growth, and lifelong learning.

Program Requirements: The M.Ed. program requires 30 semester hours of graduate work beyond the Bachelor's degree. Students will meet with the M.Ed. Coordinator during their first semester of enrollment and the beginning of their third semester, to develop their program of study, review their student portfolio, outline their practicum, and prepare for the Capstone and graduation. All of the program of study requirements for the Master's of Education Degree in the Higher and Postsecondary Education Program must be completed within a period of six (6) years.

Admission Requirements: For admission to the M.Ed. program, the college offers rolling admissions and requires the following criteria from applicants:

- Application and fee to the Graduate College,
- Letter of intent and resume,
- Official undergraduate transcripts,
- GRE scores if your undergraduate GPA is less than a 3.00,

- M.Ed. Coordinator reserves the right to interview any applicant.

Please visit the Educational Leadership and Policy Studies Admission Procedures web page for detailed information on submitting an application.

Additionally, the M.Ed. in Higher and Postsecondary Education will be 30 credit hours versus 37 credit hours. New program/curriculum changes will be posted when available.

Indian Education (EdD) EDINDEDD

MARY LOU FULTON COLLEGE OF EDUCATION, TEMPE

Contact: <http://coe.asu.edu/candi> | cnigrad@asu.edu | ED 434 | 4809654602 | 1911

Official Degree Awarded: Curriculum and Instruction (Indian Education) (EdD)

Program Description: The EdD degree concentration in Indian education is an integral component of the interdisciplinary EdD program in Curriculum and Instruction. Consistent with the mission of the division's EdD program, while recognizing the particular needs of the field and graduate students who are interested in pursuing advanced studies in the area of Indian education, the EdD concentration in Indian education prepares exemplary professional practitioners, scholars, researchers, and teacher educators in the area of Indian education. The program provides focused and systematic yet varied opportunities for students in theory, research, inquiry, mentoring and practice that are compatible with the needs and expectations of those interested in advanced studies in one or more areas of Indian education; generates and contributes to the advancement of new knowledge and development of Indian education; and provides opportunities for developing scholars, researchers and practitioners to collaborate with others in addressing critical issues and implementing best practices in diverse educational schools and communities serving Native American learners.

Program Requirements: The minimum requirements for the Doctor of Education degree program are:

- Core (15 semester hours)
- Concentration (48 semester hours)
- Internship (six semester hours)
- Dissertation and Research (24 semester hours)

During the first two years of the EdD program, students must complete a total of at least 24 hours of course work in four consecutive semesters that may include summer. At the end of each internship, the student will compile documentation of his/her experience to his/her advisor and committee. This documentation may be part of the doctoral portfolio. The written and oral comprehensive examinations will take place when students have completed all course work in an approved program of study and before they begin full-time work on their dissertation.

Admission Requirements: All applicants must submit an online Graduate College application.

Application, transcripts, and three letters of recommendation from individuals within academic/professional affiliations must be submitted. These letters of recommendation should address your ability to successfully complete a graduate degree program in Curriculum and Instruction. For more information, see <http://www.coe.asu.edu/programs.html>.

Indian Education (MA) EDINDMA

MARY LOU FULTON COLLEGE OF EDUCATION, TEMPE

Contact: <http://coe.asu.edu/candi> | cnigrad@asu.edu | Farmer Building 434 | 4809654602 | 1911

Official Degree Awarded: Curriculum and Instruction (Indian Education) (MA)

Program Description: The Master of Arts degree (MA) in Curriculum and Instruction with a concentration in Indian education is a research degree program that requires a research core, an Indian education concentration core, electives and a thesis. Required courses in the research core are Introduction to Research and Evaluation in Education and Conducting Educational Research in

Indigenous Communities. This program emphasizes innovative research and sound inquiry that is sensitive and responsive to native peoples, the communities and worldviews. The program addresses the role of working collaboratively to enhance knowledge and acknowledge the richness and uniqueness of indigenous education. The MA degree requires the completion of a master's thesis, which is the culminating activity.

Program Requirements: A minimum of 30 semester hours of credit and a thesis is required for the Master of Arts (MA) in Curriculum and Instruction. Curriculum and Instruction MA students are assigned an advisor at the time of their admission. The advisor assists in selecting the Graduate Committee and serves as chair of the student's Graduate Committee. Each MA degree candidate must form a Graduate Committee in consultation with the advisor and complete a thesis, under the direction of the thesis advisor. The Graduate Program Committee must be formed prior to completing 12 semester hours of credit in the program. Because of the research component, students enrolling in the MA degree typically need more than 30 hours to complete the degree. Each MA candidate will complete a thesis after completing at least 24 hours in the program. Six credits of thesis are required along with a minimum of 24 semester hours of approved coursework.

Admission Requirements: The following are required: application to the Graduate College, transcripts, letter of intent/statement of purpose and three letters of recommendation from individuals who can speak to the applicant's potential for success in a graduate programs. Additional materials may be required to gain admission into certain programs/cohorts. For specific information regarding admission requirements, see <http://coe.asu.edu/candi>.

Indian Education (MEd) EDINDMED

MARY LOU FULTON COLLEGE OF EDUCATION, TEMPE

Contact: <http://coe.asu.edu/candi> | cnigrad@asu.edu | ED 434 | 4809654602 | 1911

Official Degree Awarded: Curriculum and Instruction (Indian Education) (MEd)

Program Description: The Master of Education degree (MEd) in Curriculum and Instruction with a concentration in Indian education is designed for practitioners to facilitate development of advanced level professional knowledge of research, theory and practice in the area of indigenous education. The degree includes advanced courses in Indian education, including History of American Indian Education, and Foundations of Instruction for Indigenous Classrooms. This program emphasizes innovative and sound inquiry that is sensitive and responsive to Native peoples, the communities and worldviews. The program addresses the role of working collaboratively to enhance knowledge and acknowledge the richness and uniqueness of indigenous education.

Program Requirements: A minimum of 30 semester hours of graduate credit is required for the MEd in Curriculum and Instruction. Each student is assigned a graduate advisor to design the program of study. Students in this program will complete either a comprehensive examination, a research project or an applied project as a culminating activity after completing at least 24 of the 30 semester hours listed on the program of study. Students must choose their culminating activity (written examination, research project or applied project) in consultation with their faculty advisor before completing their program of study. Students who choose to complete an applied project must enroll in "Teacher as Researcher" the semester prior to completing the applied project, and they must meet with their graduate advisor for approval of the applied project. For more information, refer to the Curriculum and Instruction MEd Student Handbook.

Admission Requirements: The following are required: application to the Graduate College, transcripts, letter of intent/statement of purpose and three letters of recommendation from individuals who can speak to the applicant's potential for success in a graduate programs. Additional materials may be required to gain admission into certain programs/cohorts. For specific information regarding admission requirements, see <http://coe.asu.edu/candi>.

Language and Literacy (EdD) EDLANGEDD

MARY LOU FULTON COLLEGE OF EDUCATION, TEMPE

Contact: <http://coe.asu.edu/candi> | cnigrad@asu.edu | ED 434 | 4809654602 | 1911

Official Degree Awarded: Curriculum and Instruction (Language and Literacy) (EdD)

Program Description: The language and literacy concentration in the Doctor of Education (EdD) program in Curriculum and Instruction at Mary Lou Fulton College of Education provides opportunities for students to develop a scholarly focus in language and literacy education. Focus areas include: language and literacy education, educational linguistics, bilingualism, second

language acquisition, heritage language studies, classroom discourse, language policy, reading, writing, children's literature, emergent literacy, adolescent literacy, biliteracy, gender and literacy, new literacies and technoliteracies. The language and literacy EdD is designed to develop scholarly practitioners and leaders in the fields of language and literacy education.

Program Requirements: The EdD requires 93 semester hours, a dissertation, and written and oral comprehensive examinations. An individualized program of study is developed for each student under the guidance of the advisor and the Doctoral Committee. The program of study is designed to be consistent with the goals of the student and the requirements of the university.

The minimum requirements for the Doctor of Education degree program are:

Core: 15 semester hours

COE 502 Introduction to Quantitative Research
COE 503 Introduction to Qualitative Research
DCI 791 Ed.D. Doctoral Seminar
DCI 701 Curriculum Theory and Practice
An advanced level research course

Concentration: 48 semester hours

Major concentration: 30 hours

Minor concentration: 18 semester hours

Language and Literacy Seminars: Each semester for the first four semesters in the program, students are required to take the one-hour language and literacy doctoral seminar.

Internship: 6 semester hours

The internship experience is designed to provide students with an opportunity to engage in university teaching, research and/or other professional experiences. Students earn six hours of university credit for these experiences.

Dissertation and Research: 24 semester hours

In this culminating study, the student pursues an educational problem or issue of concern, grounding this effort in research and scholarship. The culminating study may take the form of either a traditional dissertation or a scholarly applied project. Examples of a scholarly applied project include: a set of curriculum materials, a computerized database for instruction, a film or videotape series, or a program and materials for staff development. The scholarly applied project must be accompanied by a formal written report, including: a rationale justified theoretically and with research; an explication of the theoretical grounds for the perspective and content of the project (as well as issues raised within that content); a review of the literature related to that content; a comprehensive documentation of the development of the project; and a full discussion of the local and wider social implications of applying what is produced by the project.

Admission Requirements: The following are required:

1. application to the Graduate College,
2. transcripts,
3. letter of intent/statement of purpose,
4. curriculum vita (resume),
5. statement of research interests,
6. writing sample (approximately ten pages in length),
7. GRE scores and three letters of recommendation from individuals who can speak to the applicant's potential for success in a graduate programs.

Additional materials may be required to gain admission into certain programs/cohorts. For specific information regarding admission requirements, <http://coe.asu.edu/candi>.

Admission to the program is contingent upon the commitment from an approved mentor in the concentration to advise the applicant.

Language and Literacy (MA) EDLANGMA

MARY LOU FULTON COLLEGE OF EDUCATION, TEMPE

Contact: <http://coe.asu.edu/candi> | cnigrad@asu.edu | ED 434 | 4809654602 | 1911

Official Degree Awarded: Curriculum and Instruction (Language and Literacy) (MA)

Program Description: This MA program offers students opportunities to develop expertise in contemporary issues and pedagogical methods related to language and literacy, teaching and research, such as content literacy, critical literacy, children's literature, culture and literacy, and gender. MA students also investigate both applied and theoretical issues in language and literacy. Students may use this program as preparation for doctoral work in language and literacy."

Program Requirements: A minimum of 30 semester hours of credit and a thesis is required for the Master of Arts (MA) in Curriculum and Instruction. Curriculum and Instruction MA students are assigned an advisor at the time of their admission. The advisor assists in selecting the Graduate Committee and serves as chair of the student's Graduate Committee. Each MA degree candidate must form a Graduate Committee in consultation with the advisor and complete a thesis, under the direction of the thesis advisor. The Graduate Program Committee must be formed prior to completing 12 semester hours of credit in the program. Because of the research component, students enrolling in the MA degree typically need more than 30 hours to complete the degree. Each MA candidate will complete a thesis after completing at least 24 hours in the program. Six credits of thesis are required along with a minimum of 24 semester hours of approved coursework.

Admission Requirements: The following are required: application to the Graduate College, transcripts, letter of intent/statement of purpose and three letters of recommendation from individuals who can speak to the applicant's potential for success in a graduate programs. Additional materials may be required to gain admission into certain programs/cohorts. For specific information regarding admission requirements, see <http://coe.asu.edu/candi>.

Language and Literacy (MEd) EDLANGMED

MARY LOU FULTON COLLEGE OF EDUCATION, TEMPE

Contact: <http://coe.asu.edu/candi> | cnigrad@asu.edu | Farmer Building 434 | 4809654602 | 1911

Official Degree Awarded: Curriculum and Instruction (Language and Literacy) (MEd)

Program Description: The Master of Education degree (MEd) in Curriculum and Instruction with a concentration in Language and Literacy offers students opportunities to develop expertise in contemporary issues and pedagogical methods related to language, literacy, teaching and learning, such as content literacy, critical literacy, children's literature, gender, culture and literacy, language and literacy processes, multilingual/multicultural literacy and assessment.

Program Requirements: A minimum of 30 hours of graduate credit is required for the MEd in Curriculum and Instruction. Each student is assigned a graduate advisor to design the program of study. Students in this program will complete either a comprehensive examination, a research project or an applied project as a culminating activity after completing at least 24 of the 30 credit hours listed on the program of study. Students must choose their culminating activity (written examination, research project or applied project) in consultation with their faculty advisor before completing their program of study. Students who choose to complete an applied project must enroll in "Teacher as Researcher" the semester prior to completing the applied project, and they must meet with their graduate advisor for approval of the applied project. For more information, refer to the Curriculum and Instruction MEd Student Handbook.

Admission Requirements: The following are required: application to the Graduate College, transcripts, letter of intent/statement of purpose and three letters of recommendation from individuals who can speak to the applicant's potential for success in a graduate programs. Additional materials may be required to gain admission into certain programs/cohorts. For specific information regarding admission requirements, see <http://coe.asu.edu/candi>.

Language and Literacy (PhD) EDLANGPHD

MARY LOU FULTON COLLEGE OF EDUCATION, TEMPE

Contact: <http://coe.asu.edu/candi> | cnigrad@asu.edu | Farmer Building 434 | 4809654602 | 1911

Official Degree Awarded: Curriculum and Instruction (Language and Literacy) (PhD)

Program Description: The concentration in language and literacy in the Interdisciplinary PhD Program in Curriculum and Instruction at ASU provides opportunities for research and study in language and literacy education: educational linguistics, bilingualism, second language acquisition, heritage language studies, classroom discourse, language policy, reading, writing, children's literature, emergent literacy, adolescent literacy, biliteracy, gender and literacy, new literacies and technoliteracies. The language and literacy PhD concentration is designed to develop scholars in language and literacy education.

Program Requirements: The PhD requires 93 semester hours, a dissertation, and written and oral examinations.

The following domains comprise the Interdisciplinary language and literacy PhD program:

Area of Concentration: 30 semester hours are required pertaining to language and literacy education.

Cognate Study: 12 semester hours are taken outside the students declared concentration to broaden their understanding of the conceptual base and issues underlying the study of curriculum and instruction.

Inquiry and Analysis: 15 semester hours of empirical analysis and inquiry foundations are required in advanced design and data analysis in quantitative and/or qualitative research methods.

Language and Literacy Doctoral Seminars: Each semester for the first four semesters in the program, students are required to take the one-hour language and literacy seminar on linguistics, early literacy, adolescent/adult literacy, and language policy/politics.

Core Coursework: Six semester hours of courses (Interdisciplinary Research Seminar in Curriculum and Instruction and Curriculum Theory and Practice) are required as the Curriculum and Instruction core.

Internships: Six semester hours of research and university teaching internships are required to broaden the training and experience of students.

Dissertation and Independent Research: Twenty-four semester units of dissertation and independent research leading to completion of an approved dissertation are required.

The language and literacy concentration provides opportunities for research and study in one or more of the following: language and literacy education, educational linguistics, bilingualism, second language acquisition, language diversity, children's literature, classroom discourse analysis, gender and literacy, emergent literacy, adolescent literacy, biliteracy, language policy, and other language education topics.

Admission Requirements: The following are required: application to the Graduate College, transcripts, letter of intent/statement of purpose, curriculum vita (resume), statement of research interests, a writing sample (approximately ten pages long), GRE scores and three letters of recommendation from individuals who can speak to the applicant's potential for success in a graduate programs. Additional materials may be required to gain admission into certain programs/cohorts. For specific information regarding admission requirements, see <http://coe.asu.edu/candi>. Admission to the program is contingent upon the commitment from an approved mentor in the concentration to advise and mentor the applicant.

Learning (PhD) EDPSYLEPHD

MARY LOU FULTON COLLEGE OF EDUCATION, TEMPE

Contact: <http://education.asu.edu/> | dpe@asu.edu | EDB 302 | 480/965-3384 | 0611

Official Degree Awarded: Educational Psychology (Learning) (PhD)

Program Description: The Learning concentration of the PhD in Educational Psychology focuses on theoretical and empirical issues in the cognitive and learning sciences, and their educational applications and implications. Faculty interests include parent and teacher education, cognition, motivation and self-regulation, and literacy. The concentration prepares students for professional positions in the academy, school districts, departments of education, and industry. Learning stresses student involvement in professional activities. Students work with faculty on research of mutual interest, present their work at national conferences, and submit papers to peer-reviewed journals.

Program Requirements: The program requires a minimum of 84 semester hours beyond the bachelor's degree. At least 54 of these hours must be taken at Arizona State University. PhD Degree (84 credits; 54 credits beyond the Master's).

Learning Core: Psychology of Reading; Higher-Order Cognition; Motivation; Learning Science Lab; Internship in Undergraduate Teaching.

Interdisciplinary Core: Introduction to Data Analysis; Multiple Regression/Correlation Methods.

Specialization: Reading and Conference; Research Practicum; Self Regulation.

Electives to be determined by student and advisor. All doctoral candidates must complete a comprehensive examination. Prior to admission to candidacy, the student must satisfy a publication requirement: a written report of a research study is accepted for (a) publication in a refereed journal of the quality of the journals published by the American Psychological Association (APA), or the American Educational Research Association (AERA) or (b) presentation at an annual conference of a national organization of the quality of APA or AERA. A written comprehensive examination and successful completion of the dissertation is required.

Admission Requirements: The Learning doctoral program is a limited-admission program. In making their decision, faculty members consider several items, including: undergraduate GPA; scores on the verbal and quantitative sections of the Graduate Record Examination (GRE); references from two university faculty or other individuals who can judge an applicants' academic potential; the statement of professional goals and interests. A score of 600 or above on the Test of English as a Foreign Language (TOEFL) is also required for students who do not speak English as their first language. For more information please contact the department: http://education.asu.edu/prospective_students/graduate_studies/psyched_learning.dot.

Life Span Developmental Psychology (PhD) EDPSYLDPHD

MARY LOU FULTON COLLEGE OF EDUCATION, TEMPE

Contact: <http://education.asu.edu> | dpe@asu.edu | EDB 302 | 480/965-3384 | 0611

Official Degree Awarded: Educational Psychology (Lifespan Development Psychology) (PhD)

Program Description: Life Span developmental psychology (LDP) is a concentration within the Educational Psychology program. The LDP concentration offers a program of study that reflects the field's increasingly interdisciplinary nature. The focus is on the application of scholarship in understanding real-world challenges and the cultural nature of development. The target populations studied include children and adults within the contexts of families and schools. An applied developmental science model is followed, with the aim of using research to inform policies and programs that further the positive development of individuals. Faculty research interests include immigrant families' adaptations, family life and home-institution connections, aging and intergenerational relationships, family literacy, family-school relations, peer relations, and educational equity. Graduates of the program find work at universities and community colleges, state and local departments of education, K-12 schools, and with various community agencies.

Program Requirements: Requirements for the PhD degree consist of:

1. a minimum of 84 hours of course work specified in a student's Program of Study,
2. comprehensive exams, and
3. successful defense of a Dissertation.

There is a 10-year time limit for PhD students, starting at the time of admission. Students entering the PhD program with a Masters degree in a related discipline and with 30 semester hours of graduate course work will be expected to earn a total of 84 hours past the B.A. including the transferred Masters hours; of these 84 hours, 54 must be earned at ASU. Students can use a block of 30 credits from a previously awarded master's degree plus 12 credits not used in any previous degree program as part of the PhD required credits, only if they can prove by a master's POS that these credits were not required for their master's. Students who withdraw from a master's in order to start a PhD, lose all credits except the 12 allowed to be brought forward.

Admission Requirements: The Graduate Degree Application is to be submitted online to the Division of Graduate Studies. The deadlines are Oct. 15 for spring admission and Feb. 15 for fall admission. The application and details about requirements are on the Internet at www.asu.edu/graduate/admissions. Additional Materials: statement of academic and career goals; resume; three letters of recommendation; and other items as listed on the Web site. Forms for these items are on the Internet at <http://education.asu.edu>.

Mathematics Education (EdD) EDMATHEDD

MARY LOU FULTON COLLEGE OF EDUCATION, TEMPE

Contact: <http://coe.asu.edu/candi> | cnigrad@asu.edu | ED 434 | 4809654602 | 1911

Official Degree Awarded: Curriculum and Instruction (Mathematics Education) (EdD)

Program Description: The mission of the EdD in Curriculum and Instruction with a concentration in mathematics education is to prepare exemplary professional practitioners, scholars, researchers and teacher educators in the area of mathematics education; to provide focused, systematic and varied opportunities for students in theory, research, inquiry and practice that are compatible with the needs and expectations of those interested in advanced study in the many areas pertinent to mathematics education; to generate, use and disseminate knowledge about learning and teaching mathematics in K-16; and to provide opportunities for developing scholars, researchers and practitioners to collaborate with others to solve critical research and practice issues in mathematics education for students, teachers and administrators in diverse educational communities.

Program Requirements: The EdD requires 93 semester hours, a dissertation, and written and oral comprehensive examinations.

An individualized program of study is developed for each student under the guidance of the advisor and the Doctoral Committee. The program of study is designed to be consistent with the goals of the student and the requirements of the university.

The minimum requirements for the Doctor of Education degree program are:

Core: 15 semester hours

COE 502 Introduction to Quantitative Research
COE 503 Introduction to Qualitative Research
DCI 791 Ed.D. Doctoral Seminar
DCI 701 Curriculum Theory and Practice
An advanced level research course

Concentration: 48 semester hours)

Major Concentration: 30 hours

Minor Concentration: 18 semester hours

Internship: 6 semester hours

The internship experience is designed to provide students with an opportunity to engage in university teaching, research and/or other professional experiences. Students earn six hours of university credit for these experiences.

Dissertation and Research: 24 semester hours

In this culminating study, the student pursues an educational problem or issue of concern, grounding this effort in research and scholarship. The culminating study may take the form of either a traditional dissertation or a scholarly applied project. Examples of a scholarly applied project include: a set of curriculum materials, a computerized database for instruction, a film or videotape series, or a program and materials for staff development. The scholarly applied project must be accompanied by a formal written report that includes: a rationale justified theoretically and with research; an explication of the theoretical grounds for the perspective and content of the project (as well as issues raised within that content); a review of the literature related to that content; a comprehensive documentation of the development of the project; and a full discussion of the local and wider social implications of applying what is produced by the project.

Admission Requirements: The following are required: application to the Graduate College, transcripts, letter of intent/statement of purpose, curriculum vita (resume), statement of research interests, a writing sample (approximately ten pages in length), GRE scores and three letters of recommendation from individuals who can speak to the applicant's potential for success in a graduate programs. Additional materials may be required to gain admission into certain programs/cohorts. For specific information regarding admission requirements, see <http://coe.asu.edu/candi>. Admission to the program is contingent upon the commitment from an approved mentor in the concentration to advise the applicant.

Mathematics Education (MA) EDMATHMA

MARY LOU FULTON COLLEGE OF EDUCATION, TEMPE

Contact: <http://coe.asu.edu/candi> | cnigrad@asu.edu | ED 434 | 4809654602 | 1911

Official Degree Awarded: Curriculum and Instruction (Mathematics Education) (MA)

Program Description: The Master of Arts degree (MA) in Curriculum and Instruction with a concentration in mathematics education is a research degree program designed to facilitate development of advanced-level professional knowledge, skills and understanding. This program is designed to cultivate an understanding of mathematics education. Students in this program participate in core mathematics education courses, and then have the opportunity to examine one aspect of mathematics education in-depth. This program is designed for the mathematics educator who plans to pursue additional graduate work in mathematics education.

Program Requirements: A minimum of 30 semester hours of credit and a thesis is required for the Master of Arts (MA) in Curriculum and Instruction. Curriculum and Instruction MA students are assigned an advisor at the time of their admission. The advisor assists in selecting the Graduate Committee and serves as chair of the student's Graduate Committee. Each MA degree candidate must form a Graduate Committee in consultation with the advisor and complete a thesis, under the direction of the thesis advisor. The Graduate Program Committee must be formed prior to completing 12 semester hours of credit in the program. Because of the research component, students enrolling in the MA degree typically need more than 30 hours to complete the degree. Each MA candidate will complete a thesis after completing at least 24 hours in the program. Six credits of thesis are required along with a minimum of 24 semester hours of approved coursework.

Admission Requirements: The following are required: application to the Graduate College, transcripts, letter of intent/statement of purpose and three letters of recommendation from individuals who can speak to the applicant's potential for success in a graduate programs. Additional materials may be required to gain admission into certain programs/cohorts. For specific information regarding admission requirements, see <http://coe.asu.edu/candi>.

Mathematics Education (MEd) EDMATHMED

MARY LOU FULTON COLLEGE OF EDUCATION, TEMPE

Contact: <http://coe.asu.edu/candi> | cnigrad@asu.edu | ED 434 | 4809654602 | 1911

Official Degree Awarded: Curriculum and Instruction (Mathematics Education) (MEd)

Program Description: The Master of Education degree (MEd) in Curriculum and Instruction with a concentration in mathematics education is a practitioner's degree program designed to facilitate development of advanced level professional knowledge, skills

and understanding. Students in this program explore issues related to teaching and learning in mathematics education and study these issues in the context of their own classroom. This program is designed for the professional classroom math educator.

Program Requirements: A minimum of 30 hours of graduate credit is required for the MEd in Curriculum and Instruction. Each student is assigned a graduate advisor to design the program of study. Students in this program will complete either a comprehensive examination, a research project or an applied project as a culminating activity after completing at least 24 of the 30 credit hours listed on the program of study. Students must choose their culminating activity (written examination, research project or applied project) in consultation with their faculty advisor before completing their program of study. Students who choose to complete an applied project must enroll in "Teacher as Researcher" the semester prior to completing the applied project, and they must meet with their graduate advisor for approval of the applied project. For more information, refer to the Curriculum and Instruction MEd Student Handbook.

Admission Requirements: The following are required:

1. application to the Graduate College,
2. transcripts,
3. letter of intent/statement of purpose and three letters of recommendation from individuals who can speak to the applicant's potential for success in a graduate programs.

Additional materials may be required to gain admission into certain programs/cohorts. For specific information regarding admission requirements, see <http://coe.asu.edu/candi>.

Mathematics Education (PhD) (Curriculum and Instruction - Grades K-12)

EDMATHPHD

MARY LOU FULTON COLLEGE OF EDUCATION, TEMPE

Contact: <http://coe.asu.edu/candi> | cnigrad@asu.edu | Farmer Building 434 | 480/965-4602 | 1911

Official Degree Awarded: Curriculum and Instruction (Mathematics Education) (PhD)

Program Description: The PhD in Curriculum and Instruction with a concentration in mathematics education provides opportunities for research and study in the teaching and learning of mathematics in the middle school, high school and higher education. Candidates may concentrate in the study of students' mathematical thinking, the design of learning and teaching environments, and the development and application of technologies for mathematics learning. Program mentors hail from the College of Education and from the Department of Mathematics and Statistics.

Program Requirements: The PhD requires 93 credit hours, a dissertation, and written and oral comprehensive examinations.

The following six domains comprise the mathematics education PhD program:

Mathematics Education Concentration: 27 semester hours)

While the majority of these hours must be spent in mathematics education, a sizable proportion may include coursework in closely related fields such as science education, human development, educational technology and graduate mathematics.

Inquiry and Analysis: 15 semester hours

Advanced design and data analysis in quantitative and/or qualitative research methods.

Core Requirements: 6 semester hours

Interdisciplinary Research Seminar in Curriculum and Instruction and Curriculum Theory and Practice.

Cognate Study: 12 semester hours

To broaden the student's understanding of the conceptual base and issues underlying the study of curriculum and instruction. Students take related work outside their declared areas of concentration. Cognate studies can be drawn from a broad range of offerings across the university.

Internships: 6 semester hours

Research and university teaching internships are required to broaden the training and experience of students.

Dissertation and Independent Research: 24 semester units

Independent research and dissertation leading to completion of an approved dissertation are required.

Admission Requirements: The following are required:

1. application to the Graduate College,
2. transcripts,
3. letter of intent/statement of purpose,
4. curriculum vita (resume),
5. statement of research interests,
6. a writing sample (approximately ten pages long),
7. GRE scores, and
8. three letters of recommendation from individuals who can speak to the applicant's potential for success in a graduate programs.

Additional materials may be required to gain admission into certain programs/cohorts. For specific information regarding admission requirements, see <http://coe.asu.edu/candi>.

Measurement Statistics Methodological Study (PhD) EDPSYMSPHD

MARY LOU FULTON COLLEGE OF EDUCATION, TEMPE

Contact: <http://education.asu.edu> | dpe@asu.edu | EDB 302 | 480/965-3384 | 0611

Official Degree Awarded: Educational Psychology (Measurement, Statistics and Methodological Studies) (PhD)

Program Description: Students in the PhD program in Measurement Statistics Methodological Study (MSMS) focus their study on quantitative and qualitative research methodologies, educational statistics, psychometrics, and evaluation. Students specializing in MSMS will generally direct their professional efforts toward development and evaluation of techniques for the assessment of educational or psychological phenomena, measurement of educational outcomes, design and interpretation of research studies, statistical methods for analyzing research data, or evaluation of educational programs. Graduates are employed in a variety of positions, such as professors in colleges or universities, data analysts in the public or private agencies, measurement specialists for government agencies or private companies, or researchers and evaluators for schools or other institutions.

Program Requirements: The PhD program in Measurement, Statistics and Methodological Studies requires a minimum of 84 semester hours beyond the bachelor's degree. At least 54 of these hours must be taken at Arizona State University after admission to the PhD program. The length of time required to complete the program varies from student to student. Students entering the program with a bachelor's degree normally take at least four years. Students entering with a master's degree in a related area typically take at least three years to complete the program. Students develop a program of study in consultation with faculty advisor and the chair of the student's doctoral committee. A comprehensive examination and successful defense of the dissertation are required.

Admission Requirements: The Graduate Degree Application is to be submitted online to the Graduate College. Additional Materials: GRE scores; a statement of academic and career goals; resume; three letters of recommendation. Forms for these items are on the Internet at http://education.asu.edu/about/academic_units/psyched/psyched_forms.dot.

For more information, see <http://research.ed.asu.edu/main.html>.

Physical Education (PhD) EDPHYEDPHD

MARY LOU FULTON COLLEGE OF EDUCATION, TEMPE

Contact: <http://coe.asu.edu/candi> | cnigrad@asu.edu | ED 434 | 4809654602 | 1911

Official Degree Awarded: Curriculum and Instruction (Physical Education) (PhD)

Program Description: The PhD in Curriculum and Instruction with a concentration in physical education actively involves students in research at all stages of doctoral study. Students are expected to have a strong foundation in physical education as research experiences are carried out with students in schools and university. Students will be prepared to research student engagement, activity and fitness at all levels.

Program Requirements: The PhD requires 93 credit hours, a dissertation, and written and oral comprehensive examinations.

The following domains comprise the Physical Education PhD Program:

Area of Concentration: Thirty semester hours pertaining to physical education. Although the majority of these hours must be spent in physical education, a sizable proportion may include coursework in closely related fields such as education, exercise and wellness, and kinesiology.

Cognate Study: Twelve semester hours are taken to broaden the student's understanding of the conceptual base and issues underlying the study of curriculum and instruction. Students take related work outside their declared areas of concentration. Students are expected to choose courses that have a clear link to their dissertation efforts. Cognate studies can be drawn from a broad range of offerings across the university.

Inquiry and Analysis: Fifteen semester hours of empirical analysis and inquiry foundations are required in advanced design and data analysis in quantitative and/or qualitative research methods.

Core Requirements in Curriculum and Instruction: Six semester hours of courses (Interdisciplinary Research Seminar in Curriculum and Instruction and Curriculum Theory and Practice) are required as the Curriculum and Instruction core.

Practicum and Integrative/Professional Development Seminars: Six semester hours of research and university teaching internships are required to broaden the training and experience of students.

Dissertation and Independent Research: Twenty-four semester hours of independent research and dissertation leading to completion of an approved dissertation are required.

Admission Requirements: The following are required:

1. application to the Graduate College,
2. transcripts,
3. letter of intent/statement of purpose,
4. curriculum vita (resume),
5. statement of research interests,
6. a writing sample (approximately ten pages long),
7. GRE scores, and
8. three letters of recommendation from individuals who can speak to the applicant's potential for success in a graduate programs.

Additional materials may be required to gain admission into certain programs/cohorts. For specific information regarding admission requirements, see <http://coe.asu.edu/candi>. Admission to the program is contingent upon the commitment from an approved mentor in the concentration to advise and mentor the applicant.

School Psychology (PhD) EDPSYPPHD

MARY LOU FULTON COLLEGE OF EDUCATION, TEMPE

Contact: <http://education.asu.edu> | dpe@asu.edu | EDB 302 | 480/965-3384 | 0611

Official Degree Awarded: Educational Psychology (School Psychology) (PhD)

Program Description: School Psychology is a doctoral level program in the Division of Psychology in Education. Students earn the Doctor of Philosophy degree (Ph.D.) in educational psychology with a concentration in school psychology. The goal of the School Psychology Program is the development of doctoral level scientist-practitioners who have strong research and applied skills and who bring an empirical, problem-solving perspective to their work. ASU, the Mary Lou Fulton College of Education, and the Division of Psychology in Education support school psychology doctoral training and research at a level that makes apprenticeship and close supervision available to students. In addition to a broad-base of psychological knowledge and specialized preparation in school psychology, the school psychology program includes course work and study in learning and instruction, human development, ethics and law, measurement, research design and statistics. Course work is integrated with laboratory and fieldwork components. It may also be complemented by courses in other programs and departments (e.g., clinical psychology, counseling psychology and special education). Students are afforded opportunities to become involved in research projects before they develop their dissertation proposal. The school psychology program at ASU is a full-time program which is conducted during the typical workday week. For more information, see http://education.asu.edu/prospective_students/graduate_studies/school_psychology.dot.

Program Requirements:

- 84 + semester credit hours
- written comprehensive examination
- successful defense of the dissertation
- complete a one year internship

Admission Requirements: In addition to the Graduate College application, students must include a personal statement, a summary of related experiences, and three letters of recommendation. For more detailed information, see http://education.asu.edu/prospective_students/graduate_studies/school_psychology.dot.

Science Education (EdD) EDSCIEDD

MARY LOU FULTON COLLEGE OF EDUCATION, TEMPE

Contact: <http://coe.asu.edu/candi> | cnigrad@asu.edu | ED 434 | 4809654602 | 1911

Official Degree Awarded: Curriculum and Instruction (Science Education) (EdD)

Program Description: The science education concentration of the EdD in Curriculum and Instruction program prepares practitioners and science education professionals to participate in various aspects of the educational community. Those who participate in this concentration engage in a focused and systematic yet varied program of study that draws upon important theoretical frameworks, various modes of research, and diverse epistemologies found in the different domains of science education. The unique content focus of this concentration ensures that students are knowledgeable about science as they generate, use and disseminate knowledge pertaining to the science education environment. Inherent in all experiences in this concentration is the focus on collaborations and partnerships among those in the science education community. Such partnerships ultimately ensure that critical problems in the field are addressed in a manner that represents robust and sound practices.

Program Requirements: This program requires 93 credit hours, a dissertation, and written and oral comprehensive examinations.

The minimum requirements for the Doctor of Education degree (EdD) program are:

Core: 15 semester hours

Concentration: 48 semester hours (major area 30 semester hours; minor area, 18 semester hours)

Internship: 6 semester hours

Dissertation and Research: 24 semester hours (12, and only 12, hours must be dissertation)

During the first two years of the EdD program, students must complete a total of at least 24 hours of coursework in four consecutive semesters that may include summer. At the end of each internship, the student will compile documentation of his/her experience to his/her advisor and committee. This documentation may be part of the doctoral portfolio. The written and oral comprehensive examinations will take place when students have completed all coursework in an approved program of study and prior to beginning fulltime work on their dissertation.

Admission Requirements: The following are required:

1. application to the Graduate College,
2. transcripts,
3. letter of intent/statement of purpose,
4. curriculum vita (resume),
5. statement of research interests,
6. a writing sample (approximately ten pages long),
7. GRE scores, and
8. three letters of recommendation from individuals who can speak to the applicant's potential for success in a graduate programs.

Additional materials may be required to gain admission into certain programs/cohorts. For specific information regarding admission requirements, see <http://coe.asu.edu/candi>. Admission to the program is contingent upon the commitment from an approved mentor in the concentration to advise the applicant.

Science Education (MA) EDSCIMA

MARY LOU FULTON COLLEGE OF EDUCATION, TEMPE

Contact: <http://coe.asu.edu/candi> | cnigrad@asu.edu | Farmer Building 434 | 480/965-4602 | 1911

Official Degree Awarded: Curriculum and Instruction (Science Education) (MA)

Program Description: This program is designed to cultivate an understanding of science education. Students in this program participate in core science education courses, and then have the opportunity to examine one aspect of science education in-depth. This program is designed for the science educator who plans to pursue additional graduate work in science education.

Program Requirements: A minimum of 30 semester hours of credit and a thesis is required for the Master of Arts (MA) in Curriculum and Instruction. Curriculum and Instruction MA students are assigned an advisor at the time of their admission. The advisor assists in selecting the Graduate Committee and serves as chair of the student's Graduate Committee. Each MA degree candidate must form a Graduate Committee in consultation with the advisor and complete a thesis, under the direction of the thesis advisor. The Graduate Program Committee must be formed prior to completing 12 semester hours of credit in the program. Because of the research component, students enrolling in the MA degree typically need more than 30 hours to complete the degree. Each MA candidate will complete a thesis after completing at least 24 hours in the program. Six credits of thesis are required along with a minimum of 24 semester hours of approved coursework.

Admission Requirements: The following are required:

1. application to the Graduate College,
2. transcripts,
3. letter of intent/statement of purpose,
4. curriculum vita (resume),
5. statement of research interests,
6. a writing sample (approximately ten pages long),
7. GRE scores, and

- three letters of recommendation from individuals who can speak to the applicant's potential for success in a graduate programs.

Additional materials may be required to gain admission into certain programs/cohorts. For specific information regarding admission requirements, see <http://coe.asu.edu/candi>.

Science Education (MEd) EDSCIMED

MARY LOU FULTON COLLEGE OF EDUCATION, TEMPE

Contact: <http://coe.asu.edu/candi> | cnigrad@asu.edu | ED 434 | 480/965-4602 | 1911

Official Degree Awarded: Curriculum and Instruction (Science Education) (MEd)

Program Description: The Master of Education degree (MEd) in Curriculum and Instruction with a concentration in science education is a practitioner's degree program designed to facilitate development of advanced level professional knowledge, skills and understanding. Students in this program explore issues related to teaching and learning in science education, and study these issues in the context of their own classroom. This program is designed for the professional classroom science educator.

Program Requirements: A minimum of 30 hours of graduate credit is required for the MEd in Curriculum and Instruction. Each student is assigned a graduate advisor to design the program of study. Students in this program will complete either a comprehensive examination, a research project or an applied project as a culminating activity after completing at least 24 of the 30 credit hours listed on the program of study. Students must choose their culminating activity (written examination, research project or applied project) in consultation with their faculty advisor before completing their program of study. Students who choose to complete an applied project must enroll in "Teacher as Researcher" the semester prior to completing the applied project, and they must meet with their graduate advisor for approval of the applied project. For more information, refer to the Curriculum and Instruction MEd Student Handbook.

Admission Requirements: The following are required:

- application to the Graduate College,
- transcripts,
- letter of intent/statement of purpose,
- curriculum vita (resume),
- statement of research interests,
- a writing sample (approximately ten pages long),
- GRE scores, and
- three letters of recommendation from individuals who can speak to the applicant's potential for success in a graduate programs.

Additional materials may be required to gain admission into certain programs/cohorts. For specific information regarding admission requirements, see <http://coe.asu.edu/candi>.

Science Education (PhD) EDSCIPHD

MARY LOU FULTON COLLEGE OF EDUCATION, TEMPE

Contact: <http://coe.asu.edu/candi> | cnigrad@asu.edu | ED 434 | 480/965-4602 | 1911

Official Degree Awarded: Curriculum and Instruction (Science Education) (PhD)

Program Description: The science education concentration in the PhD program provides opportunities for research and study in the teaching and learning of science in the middle school, high school and higher education. Candidates may concentrate in the study of students' science thinking, the design of learning and teaching environments, and the development and application of technologies for science learning. Program mentors hail from the Mary Lou Fulton College of Education and from the departments and schools of Chemistry and Biochemistry, Earth and Space Exploration, Life Sciences and Physics.

Program Requirements:

Area of Concentration: 30 semester hours pertaining to science education; a sizable proportion may include coursework in closely related fields such as science education, human development, educational technology, and graduate science.

Cognate Study: 12 semester hours to broaden the student's understanding of the conceptual base and issues underlying the study of curriculum and instruction.

Inquiry and Analysis: 15 semester hours of empirical analysis and inquiry foundations are required in advanced design and data analysis in quantitative and/or qualitative research methods.

Core Requirements: 6 semester hours of courses (Interdisciplinary Research Seminar in Curriculum and Instruction and Curriculum Theory and Practice).

Practicum and Integrative/Professional Development Seminars: 6 semester hours of research and University teaching internships to broaden the training and experience of students.

Dissertation and Independent Research: 24 semester units of independent research and dissertation leading to completion of an approved dissertation are required. Twelve (and only 12) hours of dissertation can be included in the program of study.

Admission Requirements: The following are required:

1. application to the Graduate College,
2. transcripts,
3. letter of intent/statement of purpose,
4. curriculum vita (resume),
5. statement of research interests,
6. a writing sample (approximately ten pages long),
7. GRE scores, and
8. three letters of recommendation from individuals who can speak to the applicant's potential for success in a graduate programs.

Additional materials may be required to gain admission into certain programs/cohorts. For specific information regarding admission requirements, see <http://coe.asu.edu/candi>. Admission to the program is contingent upon the commitment from an approved mentor in the concentration to advise and mentor the applicant.

Secondary Education (EdD) EDSECONEDD

MARY LOU FULTON COLLEGE OF EDUCATION, TEMPE

Contact: <http://coe.asu.edu/candi> | cnigrad@asu.edu | ED 434 | 480/965-4602 | 1911

Official Degree Awarded: Curriculum and Instruction (Secondary Education) (EdD)

Program Description: Consistent with the mission of the division's EdD program but recognizing the particular needs of the field and graduate students who are interested in pursuing advanced studies in the area of secondary education, the mission of the EdD in Curriculum and Instruction concentration in secondary education is to prepare exemplary professional practitioners, scholars, researchers and teacher educators in the area of secondary education; to provide focused and systematic yet varied opportunities for students in theory, research, inquiry, mentoring and practice that are compatible with the needs and expectations of those interested in advanced studies in one or more areas of secondary education; to generate, use and disseminate knowledge about teaching adolescents and young adults; and to provide opportunities for developing scholars, researchers and practitioners to collaborate with others in solving critical problems and implementing best practices in diverse educational communities.

Program Requirements: The EdD requires 93 semester hours, a dissertation, and written and oral comprehensive examinations.

The minimum requirements for the Doctor of Education degree (EdD) program are:

Core: 15 semester hours

Concentration: 48 semester hours, 30 in the major area, 18 in the minor area

Internship: 6 semester hours

Dissertation and Research: 24 semester hours

During the first two years of the EdD program, students must complete a total of at least 24 hours of coursework in four consecutive semesters that may include summer. At the end of each internship, the student will compile documentation of his/her experience to his/her advisor and committee. This documentation may be part of the doctoral portfolio. The written and oral comprehensive examinations will take place when students have completed all coursework in an approved program of study and prior to beginning fulltime work on their dissertation.

Admission Requirements: The following are required:

1. application to the Graduate College,
2. transcripts,
3. letter of intent/statement of purpose,
4. curriculum vita (resume),
5. statement of research interests,
6. a writing sample (approximately ten pages long),
7. GRE scores, and
8. three letters of recommendation from individuals who can speak to the applicant's potential for success in a graduate programs.

Additional materials may be required to gain admission into certain programs/cohorts. For specific information regarding admission requirements, see <http://coe.asu.edu/candi>. Admission to the program is contingent upon the commitment from an approved mentor in the concentration to advise the applicant.

Secondary Education (MA) EDSECONMA

MARY LOU FULTON COLLEGE OF EDUCATION, TEMPE

Contact: <http://coe.asu.edu/candi> | cnigrad@asu.edu | ED 434 | 480/965-4602 | 1911

Official Degree Awarded: Curriculum and Instruction (Secondary Education) (MA)

Program Description: The Master of Arts (MA) in Curriculum and Instruction with a concentration in secondary education provides philosophical perspectives common in higher education. Students are exposed to critical thinking on issues including gender, culture, theoretical views of learning and minority education within the scope of secondary education. Students in this program study the American educational system and are introduced to formal research.

Program Requirements: A minimum of 30 semester hours of credit and a thesis is required for the Master of Arts (MA) in Curriculum and Instruction. Curriculum and Instruction MA students are assigned an advisor at the time of their admission. The advisor assists in selecting the Graduate Committee and serves as chair of the student's Graduate Committee. Each MA degree candidate must form a Graduate Committee in consultation with the advisor and complete a thesis, under the direction of the thesis advisor. The Graduate Program Committee must be formed prior to completing 12 semester hours of credit in the program. Because of the research component, students enrolling in the MA degree typically need more than 30 hours to complete the degree. Each MA candidate will complete a thesis after completing at least 24 hours in the program. Six credits of thesis are required along with a minimum of 24 semester hours of approved coursework.

Admission Requirements: Application to the Graduate College, transcripts, letter of intent/statement of purpose and three letters of recommendation from individuals who can speak to the applicant's potential for success in a graduate program. Additional

materials may be required to gain admission into certain programs/cohorts. For specific information regarding admission requirements, see <http://coe.asu.edu/candi>.

Secondary Education (MEd) EDSECONMED

MARY LOU FULTON COLLEGE OF EDUCATION, TEMPE

Contact: <http://coe.asu.edu/candi> | cnigrad@asu.edu | Farmer Building 434 | 4809654602 | 1911

Official Degree Awarded: Curriculum and Instruction (Secondary Education) (MEd)

Program Description: The Master of Education degree (MEd) in Curriculum and Instruction with a concentration in secondary education program provides students with an in-depth knowledge of methods of teaching and content knowledge application. The program develops professional educators who are reflective practitioners dedicated to the scholarship of teaching in secondary education. This degree is considered a practitioner's degree that facilitates a higher level of successful teaching practices and content knowledge.

For students looking for teacher certification, the college offers the **IN**tegrated **C**ertification **I**n **T**eacher **E**ducation (INCITE) program. INCITE is a master's degree program for individuals who want to teach in secondary school settings (7-12).

Candidates who complete the program receive an MEd in Curriculum and Instruction with a concentration in secondary education and an Institutional Recommendation (IR) from ASU for secondary certification in their subject area. Course work qualifies candidates for a Middle Grade Endorsement if student teaching is completed in grades 5-9. For more information, access http://education.asu.edu/prospective_students/graduate_studies/incite.dot.

Program Requirements: A minimum of 39 hours of graduate credit is required for the MEd in Curriculum and Instruction. Each student is assigned a graduate advisor to design the program of study. Students in this program will complete either a comprehensive examination, a research project or an applied project as a culminating activity after completing at least 24 of the 39 credit hours listed on the program of study. Students must choose their culminating activity (written examination, research project or applied project) in consultation with their faculty advisor before completing their program of study. Students who choose to complete an applied project must enroll in "Teacher as Researcher" the semester prior to completing the applied project, and they must meet with their graduate advisor for approval of the applied project. For more information, refer to the Curriculum and Instruction MEd Student Handbook.

Admission Requirements: The following are required: application to the Graduate College, transcripts, letter of intent/statement of purpose and three letters of recommendation from individuals who can speak to the applicant's potential for success in a graduate program. Additional materials may be required to gain admission into certain programs/cohorts. For specific information regarding admission requirements, access <http://education.asu.edu>.

Severe/Multiply Disabled (MEd) EDDISMED

MARY LOU FULTON COLLEGE OF EDUCATION, TEMPE

Contact: <http://coe.asu.edu/candi> | cnigrad@asu.edu | ED 434 | 480/965-4602 | 1911

Official Degree Awarded: Special Education (Severely/Multiply Disabled) (MEd)

Program Description: The Master of Education Degree (MEd) in Special Education is a practitioner's degree program designed to facilitate development of advanced level professional knowledge, skills and understanding. The mission of the Special Education Program at Arizona State University is to produce and transmit knowledge focused on the education of exceptional individuals. This mission is accomplished through teaching, research, and service.

Program Requirements: A minimum of 36 semester hours of course work approved by the graduate committee are required. Each MEd degree candidate will complete a written comprehensive examination or a comprehensive applied project after finishing at least 24 of the 36 semester hours listed on the program of study.

Admission Requirements: Applicants must submit a Graduate College online application. Application, transcripts, and three letters of recommendation from individuals within academic/professional affiliations must be submitted. These letters of

recommendation should address your ability to successfully complete a graduate degree program in Curriculum and Instruction. For more information, see <http://www.coe.asu.edu/programs.html>.

Social Studies Education (MA) EDSOCSTMA

MARY LOU FULTON COLLEGE OF EDUCATION, TEMPE

Contact: <http://coe.asu.edu/candi> | cnigrad@asu.edu | ED 434 | 4809654602 | 1911

Official Degree Awarded: Curriculum and Instruction (Social Studies Education) (MA)

Program Description: The MA in Curriculum and Instruction with a concentration in social studies education provides philosophical perspectives common in higher education. Students are exposed to critical thinking in social studies and related content areas. Social studies is the integrated study of the social sciences and humanities to promote civic competence. Within the program, social studies provides coordinated, systematic study drawing upon such disciplines as anthropology, archaeology, economics, geography, history, law, philosophy, political science, psychology, religion and sociology, as well as appropriate content from the humanities, mathematics and natural sciences. The primary purpose of the Social Studies Education program is to educate about research and the analysis of developing curriculum knowledge to achieve desired results regarding student knowledge, skills, attitudes, perspectives and student performance expectations that are essential to a sound social studies curriculum.

Program Requirements: A minimum of 30 semester hours of credit and a thesis is required for the Master of Arts (MA) in Curriculum and Instruction. Curriculum and Instruction MA students are assigned an advisor at the time of their admission. The advisor assists in selecting the Graduate Committee and serves as chair of the student's Graduate Committee. Each MA degree candidate must form a Graduate Committee in consultation with the advisor and complete a thesis, under the direction of the thesis advisor. The Graduate Program Committee must be formed prior to completing 12 semester hours of credit in the program. Because of the research component, students enrolling in the MA degree typically need more than 30 hours to complete the degree. Each MA candidate will complete a thesis after completing at least 24 hours in the program. Six credits of thesis are required along with a minimum of 24 semester hours of approved coursework.

Admission Requirements: The following are required: application to the Graduate College, transcripts, letter of intent/statement of purpose and three letters of recommendation from individuals who can speak to the applicant's potential for success in a graduate program. Additional materials may be required to gain admission into certain programs/cohorts. For specific information regarding admission requirements, see <http://coe.asu.edu/candi>.

Social Studies Education (MEd) EDSOCSTMED

MARY LOU FULTON COLLEGE OF EDUCATION, TEMPE

Contact: <http://coe.asu.edu/candi> | cnigrad@asu.edu | Farmer Building 434 | 4809654602 | 1911

Official Degree Awarded: Curriculum and Instruction (Social Studies Education) (MEd)

Program Description: The Master of Education degree (MEd) in Curriculum and Instruction with a concentration in social studies education is a practitioner's degree program designed to facilitate development of advanced level professional knowledge, skills and understanding. This program provides students with an in-depth knowledge of methods of teaching and content knowledge in social studies. This degree is considered to be a practitioner's degree that facilitates a higher level of successful teaching practices and content knowledge.

Program Requirements: A minimum of 30 hours of graduate credit is required for the MEd in Curriculum and Instruction. Each student is assigned a graduate advisor to design the program of study. Students in this program will complete either a comprehensive examination, a research project or an applied project as a culminating activity after completing at least 24 of the 30 credit hours listed on the program of study. Students must choose their culminating activity (written examination, research project or applied project) in consultation with their faculty advisor before completing their program of study. Students who choose to complete an applied project must enroll in "Teacher as Researcher" the semester prior to completing the applied project, and they must meet with their graduate advisor for approval of the applied project. For more information, refer to the Curriculum and Instruction MEd Student Handbook.

Admission Requirements: The following are required: application to the Graduate College, transcripts, letter of intent/statement of purpose and three letters of recommendation from individuals who can speak to the applicant's potential for success in a graduate programs. Additional materials may be required to gain admission into certain programs/cohorts. For specific information regarding admission requirements, see <http://coe.asu.edu/candi>.

Social and Philosophical Foundations of Education (MA) EDSPFMA

MARY LOU FULTON COLLEGE OF EDUCATION, TEMPE

Contact: <http://education.asu.edu> | delps@asu.edu | Farmer Building 120 | 4809656357 | 2411

Official Degree Awarded: Social and Philosophical Foundations of Education (MA)

Program Description: Students seeking an M.A. in Social and Philosophical Foundations of Education have the opportunity to specialize in one of the following areas: Philosophy of Education, Sociology of Education, Anthropology of Education, American Indian Education Policy, History of Education and Comparative and International Education. Due to the interdisciplinary nature of work in the social and philosophical foundations of education, students many take coursework in related social sciences and the humanities.

The program of graduate studies in Social and Philosophical Foundations of Education prepares students for:

1. Ph.D. programs in social science or Education, Philosophy, and History,
2. K-12 teaching with stronger influence on and understanding of school, district, and state education policy. Teachers also gain methodology and theoretical applications that can result in a more successful and critical-thinking pedagogy,
3. Leadership roles in district and state level curriculum development and the conceptualization of educational programs and reforms.

Program Requirements: A minimum of 30 hours of coursework, 6 hours of which are earned for a master's thesis, or its equivalent and a comprehensive examination are required. The Graduate College allows students to substitute other experiences for the thesis. For example, students may prepare publishable research papers and present their findings to their peers and faculty in specially arranged colloquia. The equivalency requirement will be worked out by the student's committee. In addition, courses in Social and Philosophical Foundations, choosing both a concentration and a cognate discipline (e.g. sociology, anthropology, philosophy). Additional course work in education is recommended.

Admission Requirements: A Graduate College application, letter of intent, résumé, transcripts, and three letters of recommendation from individuals within academic/professional affiliations must be submitted. GRE scores are not required. Official transcripts must be sent to the Graduate College admissions office. International applicants must have a TOEFL score (as required by the Graduate College admissions office), of at least 550 on the paper test; 213 on the computer-based; or 83 on the online version.

Special Education (EdD) EDSPEDEDD

MARY LOU FULTON COLLEGE OF EDUCATION, TEMPE

Contact: <http://coe.asu.edu/candi> | cnigrad@asu.edu | Farmer Building 434 | 4809654602 | 1911

Official Degree Awarded: Curriculum and Instruction (Special Education) (EdD)

Program Description: The EdD in Curriculum and Instruction with a concentration in special education prepares exemplary professional practitioners, scholars, researchers and teacher educators in the area of special education; to provide focused and systematic yet varied opportunities for students in theory, research, inquiry, mentoring and practice that are compatible with the needs and expectations of those interested in advanced studies in one or more areas of special education; to generate, use and disseminate knowledge about teaching populations with special needs from birth through adulthood; and to provide opportunities for developing scholars, researchers and practitioners to collaborate with others in solving critical problems and implementing best practices in diverse educational communities.

This program will benefit students who have had experiences in one or more areas of special education in public or private organizations, including: classroom teachers; curriculum, instruction or assessment supervisors or specialists; staff developers; or

administrators who desire to gain in-depth knowledge, skills, and perspectives that would permit them to advance to higher-level positions in their professional careers in schools, educational agencies, or institutions of higher education.

Program Requirements: The EdD requires 93 semester hours, a dissertation, and written and oral comprehensive examinations.

Core Courses in the Division/College: (15 semester hours)

COE 502 Introduction to Quantitative Research
COE 503 Introduction to Qualitative Research
DCI 701 Curriculum Theory and Practice
DCI 791 EdD Doctoral Seminar
An advanced level research methods course

Concentration Area Courses: 48 semester hours

Major Courses in Special Education: 30 semester hours

SPE 703 Conducting Research with Special Populations
SPE 791 Special Topics in Special Education
SPE 791 Research Seminars in Special Education
DCI 791 Research in Teacher Learning
DCI 791 Andragogy: Teaching Adult Learners

Other graduate-level courses related to principles of learning, adolescent development, curriculum, issues, history, practice, instruction, teaching and/or assessment within or related to special education, education in public or private agencies, and preparing professionals for teaching special populations, broadly defined.

Minor Concentration Area: 18 semester hours

Courses may be in subject areas or fields such as those listed below and other courses as approved by the student's advisor and Doctoral Program Committee. Possible minor concentration areas include but are not limited to:

Multicultural Education
Counseling and Guidance
Curriculum Theory
Early Childhood Education
Educational Administration
Educational Psychology
Educational Technology
Language and Literacy
Mathematics Education
Science Education
Psychology
Research and Statistics

It is strongly recommended that students have at least one faculty member on their Doctoral Program Committee who represents or is recognized as being a scholar in the minor concentration area selected.

Internship and/or Practicum: 6 semester hours

Students are to complete a minimum of six semester credit hours in Internship or Practicum experiences, generally three credits each. The Internship experience is defined as opportunities for students to engage in university teaching, research and/or other professional experiences under the direct mentorship of one or more faculty or a recognized expert in the field.

Research and Dissertation Study: 24 semester hours maximum

SPE 792: Research (Maximum 12 semester hours)

SPE 799: Dissertation (Minimum of 12 semester hours)

In the culminating study, the student inquires into and addresses an educational problem or issue of concern, grounding this effort in scholarship, research and substantive evidence of findings and conclusions. The product of the culminating study may take the form of either a traditional dissertation or a substantial product of a scholarly applied project.

Residency: During the first two years of the EdD program, students must complete a total of at least 24 hours of coursework in four consecutive semesters that may include summer. This includes enrollment in the required EdD seminar (DCI 791).

Admission Requirements: The following are required:

1. application to the Graduate College,
2. transcripts,
3. letter of intent/statement of purpose,
4. curriculum vita (resume),
5. statement of research interests,
6. a writing sample (approximately ten pages long),
7. GRE scores, and
8. three letters of recommendation from individuals who can speak to the applicant's potential for success in a graduate programs.

Additional materials may be required to gain admission into certain programs/cohorts. For specific information regarding admission requirements, see <http://coe.asu.edu/candi>.

Special Education (MA) EDSPEDMA

MARY LOU FULTON COLLEGE OF EDUCATION, TEMPE

Contact: <http://coe.asu.edu/candi> | cnigrad@asu.edu | ED 434 | 4809654602 | 1911

Official Degree Awarded: Special Education (MA)

Program Description: The Master of Arts (MA) in Special Education is a research degree program designed to facilitate advanced development of knowledge, skill and understanding of special education. The program is designed for students who are interested in developing and extending research competencies. Students graduating from this program will demonstrate the ability to conduct research related to special education and are prepared to pursue doctoral education in various areas of exceptionalities. The program structure includes coursework in special education, research and statistics.

Program Requirements: A minimum of 36 hours of credit and a thesis is required for the Master of Arts (MA) in Special Education. Special Education MA students are assigned an advisor at the time of their admission. The advisor assists in selecting the Graduate Committee and serves as chair of the student's Graduate Committee. Each MA degree candidate must form a Graduate Committee in consultation with the advisor and complete a thesis, under the direction of the thesis advisor. The Graduate Program Committee must be formed prior to completing 12 semester hours of credit in the program. Because of the research component, students enrolling in the MA degree typically need more than 36 hours to complete the degree. Each MA candidate will complete a thesis after completing at least 24 hours in the program. Six credits of thesis are required along with a minimum of 30 semester hours of approved coursework. Coursework will include a minimum of 15 hours in special education and a minimum of 12 hours in research. The research courses will include one research design course, one or more statistics or qualitative methods courses, and six hours of thesis.

Admission Requirements: The following are required: application to the Graduate College, transcripts, letter of intent/statement of purpose, degree option check sheet, summary of related experiences and three letters of recommendation from individuals who

can speak to the applicant's potential for success in a graduate programs. Additional materials may be required to gain admission into certain programs/cohorts. For specific information regarding admission requirements, see <http://coe.asu.edu/candi>.

Special Education (MEd) EDSPE2MED

MARY LOU FULTON COLLEGE OF EDUCATION, TEMPE

Contact: <http://coe.asu.edu/candi> | cnigrad@asu.edu | ED 434 | 480/965-4602 | 1911

Official Degree Awarded: Special Education (MEd)

Program Description: The Master of Education (MEd) in Special Education is a practitioner's degree program designed to facilitate advanced development of knowledge, skill and understanding of special education. The MEd degree focuses on the development of "master teachers" in special education. Specific emphasis is offered in the areas of mild disabilities, the education of gifted learners and bilingual/multicultural exceptional learners. The program structure includes course work in methods of instruction, educational evaluation, behavior management, inclusive teaching and practices and the four content theme areas of: learning and instruction, diversity, foundations and practices and research and technology. A certification option in learning disabilities, behavioral disorders, and mental retardation is available in conjunction with the MEd

Program Requirements: A minimum of 36 semester hours of graduate credit is required for the MEd in Special Education. Each student is assigned a graduate advisor to design the program of study in consultation with the Graduate Committee. Students in this program will complete a comprehensive paper as a culminating activity after completing at least 27 to 30 of the 36 semester hours listed on the program of study. Students must complete a comprehensive paper proposal to their faculty advisor and graduate committee members before completing their program of study and beginning the final paper. Students should meet with their faculty advisor and graduate committee members regularly after the paper proposal is approved. For more information, refer to the Special Education Student Handbook. Students completing the teacher certification concentration will enroll for an additional 12 semester hours of student teaching to prepare for an Institutional Recommendation for Certification. The MEd with teacher certification requires a total of 45 semester hours

Admission Requirements: The following are required: application to the Graduate College, transcripts, letter of intent/statement of purpose, degree option check sheet, summary of related experiences and three letters of recommendation from individuals who can speak to the applicant's potential for success in a graduate programs. Additional materials may be required to gain admission into certain programs/cohorts. For specific information regarding admission requirements, see <http://coe.asu.edu/candi>.

Special Education (PhD) EDSPECPHD

MARY LOU FULTON COLLEGE OF EDUCATION, TEMPE

Contact: <http://coe.asu.edu/candi> | cnigrad@asu.edu | ED 434 | 480/965-4602 | 1911

Official Degree Awarded: Curriculum and Instruction (Special Education) (PhD)

Program Description: The PhD concentration in special education, which is designed to produce teacher educators and researchers in special education, is an integral part of the Interdisciplinary PhD Degree Program in Curriculum and Instruction. The corresponding goals of the PhD program in special education are to:

1. produce research scholars who can add to the knowledge base underlying special education,
2. provide experts in the design, implementation, and evaluation of special education personnel preparation programs at the preservice and inservice levels,
3. provide students with comprehensive training that meets professionally recognized standards for the preparation of leadership personnel in special education and a related discipline, and
4. provide students with the skills necessary to meet their research, teaching, and service activities associated with faculty positions at a full range of institutions of higher education or other professional roles.

Program Requirements: The PhD requires 93 semester hours, a dissertation, and written and oral comprehensive examinations. Our doctoral curriculum typically requires three years of graduate study including at least a year-long residency on campus. Each year of study involves coursework pertaining to theory, research and practice in special education. The curriculum provides students with a core set of courses, seminars, internships and research experiences to ensure that they meet professionally

recognized standards for the preparation of leadership personnel in special education and in related disciplines; however, the curriculum is unique in that it builds upon this core by integrating a set of experiential research, teaching and service activities into students' programs of study.

Our doctoral curriculum program of study is divided into six basic domains:

1. core requirements in special education,
2. core requirements in a related discipline,
3. empirical foundations,
4. core requirements in curriculum and instruction,
5. practicum and integrative/professional development seminars, and
6. dissertation and independent research.

Each student's program of study includes a series of experiences to enhance his/her mastery of their current and future research, teaching and service responsibilities as a professional in special education.

Core Requirements in Six Domains

Domain 1: Core Requirements in Special Education. Our special education program requirement consists of 30 semester hours focusing on coursework pertaining to assessment, intervention, consultation and specific problem areas in the field of special education.

Domain 2: Core Requirements in a Related Discipline. These requirements consist of 12 semester hours in which doctoral students are provided crossover training opportunities in related disciplines that meet the professionally recognized standards for doctoral study in those disciplines. The course and field experience requirements in each of the related disciplines are specific to the discipline.

Domain 3: Empirical Foundations. Our empirical analysis and inquiry foundations requirement consists of 15 semester hours beginning with Basic Statistical Analysis and Intermediate Statistical Analysis. Three other courses are also required: (1) Introduction to Qualitative Research; (2) Introduction to Quantitative Research; and (3) a course from the following list: Statistical Computing and Consulting Problems, Advanced Statistical Analysis, Categorical and Nonparametric Data Analysis, Graphical and Exploratory Data Analysis, Advanced Qualitative Analysis. In specific circumstances, other advanced inquiry and analysis courses may be applied to meet this requirement.

Domain 4: Core Requirements in Curriculum and Instruction. The curriculum and instruction core requirement consists of six semester hours: (1) DCI 791 Interdisciplinary Research Seminar in Curriculum and Instruction, and (2) DCI 701 Curriculum Theory and Practice.

Domain 5: Practicum and Integrative/Professional Development Seminars. Our practicum requirement consists of at least six semester hours of research and university teaching three two-credit hour internships. The purpose of the internships is to broaden the training and experiences of students. In addition, doctoral students are encouraged to participate in the Preparing Future Faculty Program offered by the Graduate College. This program consists of two semester hours of faculty roles, responsibilities and participation in an ongoing series of integrative and collaborative seminars coordinated with the Graduate College. Students have the opportunity to develop and participate in interdisciplinary research, teaching, and service activities.

Domain 6: Dissertation and Independent Research. Our dissertation and independent r

Admission Requirements: The following are required:

1. application to the Graduate College,
2. transcripts,
3. letter of intent/statement of purpose,
4. curriculum vita (resume),
5. statement of research interests,
6. a writing sample (approximately ten pages long),

7. GRE scores, and
8. three letters of recommendation from individuals who can speak to the applicant's potential for success in a graduate programs.

Additional materials may be required to gain admission into certain programs/cohorts. For specific information regarding admission requirements, see <http://coe.asu.edu/candi>. Admission to the program is contingent upon the commitment from an approved mentor in the concentration to advise and mentor the applicant.

Teacher Leadership and Development (EdD) EDTLDEDD

MARY LOU FULTON COLLEGE OF EDUCATION, TEMPE

Contact: <http://coe.asu.edu/candi> | cnigrad@asu.edu | ED 434 | 4809654602 | 1911

Official Degree Awarded: Curriculum and Instruction (Teacher Leadership and Development) (EdD)

Program Description: The mission of the EdD in Curriculum and Instruction with a concentration in teacher leadership and development is to prepare exemplary professional practitioners as scholars, researchers and teacher educators for leadership roles that influence the education profession. Areas of enhanced competence include inquiry into teaching, learning and leading, reflection on classroom practices that impact student learning, and the creation of innovative initiatives designed to positively impact local and national education communities.

Program Requirements: This program requires 93 credit hours, a dissertation, and written and oral comprehensive examinations.

Core (15 semester hours):

- COE 502 Introduction to Quantitative Research (3)
- COE 503 Introduction to Qualitative Research (3)
- DCI 701 Curriculum Theory and Practice (3)
- EDP 540 Theoretical Views of Learning (3)
- DCI 703 Research in Teacher Development/Leadership (3)

Concentration (48 semester hours):

- Major Concentration (30 semester hours)
- DCI 791 Professional Practice through Teaching Standards (3)
- DCI 791 Developing/Analyzing Professional Growth through Mentoring (3)
- DCI 791 Professional Skills in Teacher Leadership (3)
- SPF 601 Culture and Schooling (3)

Electives (18 semester hours) to be approved by committee based on student's prior study and future goals.

Possible electives include:

- DCI 791 Andragogy: Teaching Adult Learners
- DCI 691 Curriculum Change
- EPA/EDA 691 Policy, Leadership and Values Systems
- DCI 791 Program/Systems Evaluation
- DCI 791 Research in Teacher Learning
- DCI 791 Theory and Applied Practices for Adult

Admission Requirements: The following are required: application to the Graduate College, transcripts, letter of intent/statement of purpose, curriculum vita (resume), statement of research interests, a writing sample (approximately ten pages long), GRE scores and three letters of recommendation from individuals who can speak to the applicant's potential for success in a graduate programs. Additional materials may be required to gain admission into certain programs/cohorts. For specific information regarding admission requirements, see <http://coe.asu.edu/candi>. Admission to the program is contingent upon the commitment from an approved mentor in the concentration to advise the applicant.

Teaching and Learning (MEd) EDDCIMED

MARY LOU FULTON COLLEGE OF EDUCATION, TEMPE

Contact: <http://best.asu.edu> | best@asu.edu | Payne 101G | 480/965-4339 | 0211

Official Degree Awarded: Curriculum and Instruction (Teaching and Learning) (MEd)

Program Description: The M.Ed. in teaching and learning focuses on the development of professional learning communities and engagement in scholarship, inquiry and applied experiences designed to increase the theoretical knowledge and practice of teaching and learning. The emphasis is a developmental process within a teacher's professional growth on a continuum of lifelong learning. An individual completing this degree will have a foundation in teaching and learning and a choice of customized concentration in, or a broader knowledge base across, varying disciplines related to education.

Program Requirements: A total of 30 credit hours are required for this program.

Core Courses (12)

DCI 512 Developing Strategies for Teaching Practice, or
DCI 530 Establishing a Mentoring Partnership
DCI 520 Teaching Standards Applied to Professional Practice
EDP 540 Theoretical Views of Learning, or
EDT 511 Technology Applications in Education
EDA 535 Learner Centered Leadership
Core courses offered in online or hybrid formats.

Electives (12)

With your advisor, design a concentration consisting of courses within or across the Curriculum and Instruction, Education Leadership and Policy Studies, and Psychology in Education Divisions.

Research Concentration (6)

DCI 510 Teacher as Researcher, **or**
COE/EDP 501 Introduction to Research and Evaluation
DCI/EDA/EDP 597 Applied Research and Reflection, **or**
(DCI/EDA/EDP 597 may only be taken in the student's final semester of study)

Admission Requirements: The following are required:

1. Application to the Graduate College.
2. Transcripts.
3. Letter of intent/statement of purpose.
4. Curriculum vitae (resume).
5. Statement of research interests.
6. Writing sample (approximately ten pages in length).
7. GRE scores.
8. Three letters of recommendation from individuals who can speak to the applicant's potential for success in a graduate program.

Additional materials may be required to gain admission into certain programs/cohorts. For specific information regarding admission requirements, see <http://coe.asu.edu/candi>.

Technology for Teaching and Learning (Grad Certificate) EDEDTTGRCT

MARY LOU FULTON COLLEGE OF EDUCATION, TEMPE

Contact: <http://coe.asu.edu/psyched/edtech/> | dpe@asu.edu | 302 Payne | 480/965-3384 | 0611

Official Degree Awarded: Technology for Teaching and Learning (certificate) (CERT)

Program Description: The graduate certificate in Technology for Teaching and Learning is open to all ASU degree-seeking and non-degree seeking graduate students but is geared towards classroom teachers who want to become highly skilled at successful integration of technology in the curriculum. Students acquire the knowledge and skills needed to meet the National Education Technology Standards for Teachers (NETS) developed by the International Society for Technology in Education (ISTE) and adopted by the National Council for Accreditation of Teacher Education (NCATE). This program offers all courses online as well as face-to-face.

Program Requirements: The Graduate Certificate in Technology for Teaching and Learning requires a minimum of 15 credit hours. Students are permitted to apply a maximum of 9 hours taken in the certificate program towards the Educational Technology MEd program with the prior approval from the Educational Technology MEd program.

Admission Requirements: The Graduate Certificate in Technology for Teaching and Learning is available to all ASU graduate students irrespective of their major and to non-degree graduate students provided they meet eligibility criteria. To be eligible for this program, the applicant must (a) hold a bachelor's degree or equivalent from a regionally accredited institution, and (b) have a cumulative junior/senior undergraduate GPA of 2.50 or higher. Students interested in earning this certificate must formally apply to the certificate program via the online Graduate Admissions Application.

EDUCATIONAL INNOVATION AND TEACHER PREPARATION, SCHOOL OF

Early Childhood Education – Polytechnic Campus (MEd) EIEDCMED

SCHOOL OF EDUCATIONAL INNOVATION AND TEACHER PREPARATION, POLY

Contact: <http://www.poly.asu.edu/education/grad/curriculum> | polytechniceducation@asu.edu | Sutton 240 | 4807271103 | 0180

Official Degree Awarded: MEd Curriculum and Instruction (Early Childhood Education)

Early Childhood Education - Polytechnic campus (MEd)

Instructional Media K-12 - Polytechnic Campus (MEd) ECMEDIAMED

SCHOOL OF EDUCATIONAL INNOVATION AND TEACHER PREPARATION, POLY

Contact: <http://www.poly.asu.edu/education/> | polytechniceducation@asu.edu | Bldg 140 Sutton 240 | 4807271103 | 0180

Official Degree Awarded: Curriculum and Instruction (Instructional Media K-12 School Age) (MEd)

Program Description: The Master of Education (M.Ed.) degree in Curriculum and Instruction is a practitioner's degree program designed to facilitate development of advanced level professional knowledge, skills and understanding. The M.Ed., Instructional Media concentration provides advanced knowledge of curriculum, instructional practices, assessment and the use of technology in the classroom.

Program Requirements: The degree requires 30 credit hours and an applied project. The program is comprised of 10 specific courses (30 hours), including five concentration courses, two elective courses, one theoretical foundation course, one research course and one capstone course.

Admission Requirements: In addition to the Graduate College application, make sure when you select your degree program that it is designated as a Polytechnic campus program. Apply to the Advanced Studies Program by submitting the following items:

signed application for admission; letter of intent stating why you are interested in the program and how it will meet your professional goals; current resume; three professional letters of recommendation addressing experiences with children and/or families; and three official (sealed) transcripts with institution's name and degree granted date. All application materials need to be sent to the Graduate College's admission office.

Mathematics Education - Polytechnic Campus (MEd) EIMATHMED

SCHOOL OF EDUCATIONAL INNOVATION AND TEACHER PREPARATION, POLY

Contact: <http://www.poly.asu.edu/education/grad/curriculum> | polytechniceducation@asu.edu | Sutton 240 | 4807271103 | 0180

Official Degree Awarded: MEd Curriculum and Instruction (Mathematics Education)

Mathematics Education - Polytechnic campus (MEd)

Physical Education - Polytechnic Campus (MPE) ECPHYEDMPE

SCHOOL OF EDUCATIONAL INNOVATION AND TEACHER PREPARATION, POLY

Contact: <http://www.poly.asu.edu/education/> | polytechniceducation@asu.edu | Bldg 140 Sutton 240 | 4807271103 | 0180

Official Degree Awarded: Physical Education (MPE)

Program Description: Graduates of the M.P.E. program gain advanced knowledge of curriculum, instructional practices and administrative procedures in physical education and sports. Emphasis is placed on improving instructional effectiveness and developing quality sport and physical education programs in school settings.

Program Requirements: The degree requires 33 credit hours, including an applied project and a final written comprehensive exam. Physical Education Concentration: core studies, 21 hours; education cognate courses, 6 hours; electives, 6 hours. Physical Education Pedagogy: core studies, 21 hours; education cognate courses, 6 hours; electives, 6 hours. For more specific information, see <http://www.poly.asu.edu/saas/education/printable/MPE%20POS.pdf>.

Admission Requirements: In addition to the Graduate College application, make sure when you select your degree program that it is designated as a Polytechnic campus program. Apply to the Advanced Studies Program by submitting the following items: signed application for admission; letter of intent stating why you are interested in the program and how it will meet your professional goals; current resume; three professional letters of recommendation addressing experiences with children and/or families; and three official (sealed) transcripts with institution's name and degree granted date. All application materials need to be sent to the Graduate College's admission office.

Professional Studies - Polytechnic Campus (MEd) ECPROSTMED

SCHOOL OF EDUCATIONAL INNOVATION AND TEACHER PREPARATION, POLY

Contact: <http://www.poly.asu.edu/education/> | polytechniceducation@asu.edu | Bldg 140 Sutton 240 | 4807271103 | 0180

Official Degree Awarded: Curriculum and Instruction (Professional Studies) (MEd)

Program Description: This master's degree is grounded in the research and theory of curriculum and instruction, but also allows the student the opportunity to design a program based on his/her professional needs. Students can therefore create a plan of study that incorporates a variety of content and discipline areas that are related to his/her teaching position or future career goals. These individualized programs may include the acquisition of more in-depth content knowledge or skills development, as well as the coursework needed to complete one or more of the following endorsements: Reading Specialist K-12; Provisional SEI Endorsement K-12; Full SEI Endorsement K-12; Middle Grade 5-9; Gifted Education K-12; Early Childhood Endorsement PreK-3.

Program Requirements: The degree requires 30 credit hours and an applied project. Area of Concentration: 21 hours; Research: three hours; Theoretical Foundations: three hours; Applied Research: three hours. Students in this program may also complete course work required for postbaccalaureate teacher certification.

Admission Requirements: In addition to the Graduate College application, make sure when you select your degree program that it is designated as a Polytechnic campus program. Apply to the Advanced Studies Program by submitting the following items: signed application for admission; letter of intent stating why you are interested in the program and how it will meet your professional goals; current resume; three professional letters of recommendation addressing experiences with children and/or families; and three official (sealed) transcripts with institution's name and degree granted date. All application materials need to be sent to the Graduate College's admission office.

Science Education (MEd) EISCIMED

SCHOOL OF EDUCATIONAL INNOVATION AND TEACHER PREPARATION, POLY

Contact: <http://www.poly.asu.edu/education/grad/curriculum> | polytechniceducation@asu.edu | Sutton 240 | 4807271103 | 0180

Official Degree Awarded: MEd Curriculum and Instruction (Science Education)

Science Education - Polytechnic campus (MEd)

Special Education (MEd) ECSPEDMED

SCHOOL OF EDUCATIONAL INNOVATION AND TEACHER PREPARATION, POLY

Contact: <http://www.poly.asu.edu/education/> | polytechniceducation@asu.edu | Bldg 140 Sutton 240 | 4807271103 | 0180

Official Degree Awarded: Special Education (MEd)

Program Description: The Master of Education Degree (M.Ed.) in Special Education provides advanced knowledge of disabilities, curriculum, behavior intervention, inclusive instructional practices, assessment and family involvement.

Program Requirements: The degree requires 30 credit hours and an applied project. The program is comprised of 10 specific courses (30 hours), including six concentration courses, one elective course, one theoretical foundation course, one research course and one capstone course.

Admission Requirements: In addition to the Graduate College application, make sure when you select your degree program that it is designated as a Polytechnic campus program. Apply to the Advanced Studies Program by submitting the following items: signed application for admission; letter of intent stating why you are interested in the program and how it will meet your professional goals; current resume; three professional letters of recommendation addressing experiences with children and/or families; and three official (sealed) transcripts with institution's name and degree granted date. All application materials need to be sent to the Graduate College's admission office.

ENGINEERING, IRA A. FULTON SCHOOL OF

Aerospace Engineering (MS) ESAEROSPMS

IRA A. FULTON SCHOOL OF ENGINEERING, TEMPE

Contact: <http://mae.fulton.asu.edu> | mae@asu.edu | ECG 346 | 480/965-3291 | 6106

Official Degree Awarded: Aerospace Engineering (MS)

Program Description: The faculty in the Department of Mechanical and Aerospace Engineering (MAE) offer a graduate program leading to the Master of Science (MS) degree in Aerospace Engineering. A number of wide and diverse research areas may be pursued. All of the department's graduate programs stress a sound foundation leading to a specialized area of study. Additional information can be found in the MAE Guidelines at <http://mae.fulton.asu.edu/graduate/graduate-studies>.

Program Requirements: All candidates for the MS degree program in Aerospace Engineering are required to complete 30 semester hours. Additional courses may be assigned by the supervisory committee depending on the background of the candidate.

The Master of Science is the department's research master's degree program. The student is encouraged to select an advisor as soon as possible but in no case later than the middle of the first semester in residence. The name of the student's advisor must be filed with the department office. A change of advisor requires approval of the department chair.

The advisor, in consultation with the student, will establish a Master of Science Program Committee (MSPC). The MSPC shall be composed of a minimum of three members with at least two being from MAE. Participation of individuals from institutions external to ASU is encouraged but these shall be nonvoting members. The advisor shall serve as the chair of the MSPC.

As soon as possible, but no later than the end of the student's first semester of residence, the student in consultation with the MSEPC, must file a program of study (POS) with the department. The MSEPC and the MAE chair must approve changes to the POS.

The POS must be in accordance with Graduate College and MAE requirements. The candidate must complete at least 30 semester hours of courses distributed as follows:

1. at least 12 semester hours of course work in the candidate's major area of interest.
2. at least six semester hours of upper-division mathematics, as defined in the MAE Guidelines <http://mae.fulton.asu.edu/graduate/graduate-studies>.
3. at least six semester hours of other graduate level course work outside the candidate's major area of interest; these must be restricted to mathematics, engineering and/or science.
4. at least six semester hours of MAE 599 Thesis.

In accordance with MAE academic standards, students are required to maintain a 3.00 cumulative GPA.

Admission Requirements: Applicants are expected to satisfy all requirements for admission to the Graduate College. Entry into this program normally requires a bachelor's degree with a major in engineering or in a closely related bachelor's degree program.

Deficiencies for admission to the graduate degree programs are specified at the time of admission. The verbal, quantitative, and written components of the Graduate Record Examination (GRE) are not required unless specified by the respective academic unit in which the major is offered. TOEFL scores must be submitted by international applicants before admission is considered. Applicants with TOEFL scores of 550 (213 on the computer-based examination) or higher may be regularly admitted without requiring further language study. Applicants with scores below 550 may be regularly admitted but must complete study in ASU's American English and Culture Program (AECPP) before enrolling in course work in the academic program.

Aerospace Engineering (MSE) ESAERSPMSE

IRA A. FULTON SCHOOL OF ENGINEERING, TEMPE

Contact: <http://mae.fulton.asu.edu/> | mae@asu.edu | ECG 339 | 4809654979 | 6106

Official Degree Awarded: Aerospace Engineering (MSE)

Program Description: The faculty in the Department of Mechanical and Aerospace Engineering (MAE) offer a graduate program leading to the Master of Science in Engineering (MSE) degree in Aerospace Engineering. A number of wide and diverse research areas may be pursued. All of the Department's graduate programs stress a sound foundation leading to a specialized area of study. Additional information can be found in the MAE Guidelines at <http://mae.fulton.asu.edu/graduate/graduate-studies>.

Program Requirements: All candidates for the MSE degree program are required to complete 30 semester hours. Additional courses may be assigned by the supervisory committee depending on the background of the candidate.

The MSE is the department's professional degree; majors in Aerospace Engineering and Mechanical Engineering are available. The MSE degree requires a culminating event (i.e., project, presentation, written/oral examination); it is a nonthesis degree.

The student is encouraged to select an advisor as soon as possible but in no case later than the middle of the first semester in residence. The name of the student's advisor must be filed with the department office. A change of advisor requires approval of the department chair.

The advisor, in consultation with the student, will establish a Master of Science in Engineering Program Committee (MSEPC). The MSEPC shall be composed of a minimum of three members with at least two being from MAE. Participation of individuals from institutions external to ASU is encouraged but these shall be non-voting members. The advisor shall serve as chair of the MSEPC.

As soon as possible, but no later than the end of the student's first semester of residence, the student in consultation with the MSEPC, must file a program of study (POS) with the Department. The MSEPC and the MAE Chair must approve changes to the POS.

The POS must be in accordance with the Graduate College and MAE requirements. The candidate must complete at least 30 semester hours of courses distributed as follows:

1. at least 15 credit hours course work in the candidate's major area of interest.
2. at least six credit hours of upper-division mathematics, as defined in the MAE Guidelines at <http://mae.fulton.asu.edu/graduate/graduate-studies>
3. at least nine semester hours of other graduate level course work outside the candidate's major area of interest; these must be restricted to mathematics, engineering and/or science.

In accordance with MAE academic Standards, students are required to maintain a 3.00 cumulative grade point average.

In accordance with MAE academic Standards, students are required to maintain a 3.00 cumulative grade point average.

Admission Requirements: Applicants are expected to satisfy all requirements for admission to the Graduate College. Entry into this program normally requires a bachelor's degree with a major in engineering or in a closely related bachelor's degree program.

Deficiencies for admission to the graduate degree programs are specified at the time of admission. The verbal, quantitative and written components of the Graduate Record Examination (GRE) are not required unless specified by the respective academic unit in which the major is offered. TOEFL scores must be submitted by international applicants before admission is considered. Applicants with TOEFL scores of 550 (213 on the computer-based examination) or higher may be regularly admitted without requiring further language study. Applicants with scores below 550 may be regularly admitted but must complete study in ASU's American English and Culture Program (AECPP) before enrolling in course work in the academic program.

Aerospace Engineering (PhD) ESAERSPPHD

IRA A. FULTON SCHOOL OF ENGINEERING, TEMPE

Contact: <http://mae.fulton.asu.edu> | mae@asu.edu | ECG 339 | 4809654979 | 6106

Official Degree Awarded: Aerospace Engineering (PhD)

Program Description: The graduate programs in Mechanical and Aerospace Engineering (MAE) accommodate individual interests, and encourage independent and innovative study. Students are part of a diverse intellectual community dedicated to advancing the state of the art and practice of aerospace and mechanical engineering. All graduate programs stress a sound foundation in technical fundamentals, communication and professionalism. The doctoral program emphasizes original research and provides students with a strong background for employment by academic institutions government laboratories and industrial research laboratories. Additional information can be found in the MAE Guidelines <http://mae.fulton.asu.edu/graduate/graduate-studies>.

Program Requirements: The program of study should be submitted as early as possible and must have the approval of the student's program committee (PC), MAE Chair, and the dean of the Graduate College. All candidates for the PhD degree program are required to complete 84 semester hours.

Students may not apply credit hours earned for a doctoral degree previously awarded at ASU or another institution toward their current ASU doctoral degree. However, at the discretion of the PC and MAE Chair, students may apply up to 30 semester hours from a previously awarded master's degree toward their doctoral program of study.

The PhD degree is directed toward original research. The student is required to write and defend a dissertation that describes an original contribution within the chosen discipline. The research results should be suitable for publication in the archival literature. The department currently offers majors in Aerospace Engineering and Mechanical Engineering.

University regulations note the possibility of having two separate supervisory committees, a Program Committee and a Dissertation Committee. In MAE these will normally be one and the same and will be designated as the PC.

The PC shall consist of at least five ASU faculty with the majority being from MAE, but at least one being from outside the department. Furthermore, the PC should have the following character:

1. advisor (PC chair); must be a member of the MAE graduate faculty with an endorsement to chair,
2. two or three additional faculty in the student's general area of research,
3. at least one faculty outside the student's general area of research (e.g., mathematics, physics or other engineering disciplines).

A change in the PC requires approval of the department chair.

The POS must be in accordance with Graduate College and MAE requirements. A minimum of 84 semester hours is required for the PhD degree. Twelve (and only 12) of these hours must be dissertation. Of the 84 semester hours, at least 30 hours (which may include research credit) of the approved PhD program and 12 dissertation hours must be completed after admission to the student's PhD program. Distribution of the 84 hours follows:

1. at least 18 credit hours course work in the candidates major area of interest,
2. at least six credit hours of upper-division mathematics, as defined in the MAE Guidelines
<http://mae.fulton.asu.edu/graduate/graduate-studies>,
3. at least nine credit hours of other graduate level course work outside the candidate's major area of interest; these must be restricted to mathematics, engineering and/or science,
4. 12 - and only 12 - semester hours of MAE 799 dissertation to be completed after admission to the PhD program,
5. additional research hours (MAE 792) may be utilized to meet the total 84 credit hour requirement.

In accordance with MAE academic standards, students are required to maintain a 3.25 cumulative grade point average.

Admission Requirements: Applicants must apply to the ASU Graduate College.

Bioengineering (MS) ES BIOENMS

IRA A. FULTON SCHOOL OF ENGINEERING, TEMPE

Contact: <http://hdbe.fulton.asu.edu> | bmerec@asu.edu | ECG 334 | 480/965-3028 | 9709

Official Degree Awarded: Bioengineering (MS)

Program Description: The Bioengineering faculty within the Harrington Department of Bioengineering offer a graduate program leading to the MS degree in Bioengineering.

Areas of study include neural engineering, molecular, cellular and tissue engineering, biomedical imaging and informatics, rehabilitation engineering and biomaterials. The Harrington Department of Bioengineering awards both thesis and nonthesis Master of Science degrees to those students who meet the criteria for successful graduate study.

The Harrington Department of Bioengineering offers a joint Bachelor of Science in Engineering (BSE) and nonthesis Master of Science (MS) in the Bioengineering degree program. The program allows up to nine credit hours of graduate-level course work taken as technical electives during the senior year applied toward both the undergraduate and graduate degrees.

Program Requirements: All candidates pursuing an MS degree in Bioengineering are required to complete an approved program of study consisting of the minimum required semester hours, including research and thesis, if applicable. Special course requirements for the different areas of study are established by the faculty and are available from the Harrington Department of

Bioengineering. Candidates whose undergraduate degree is in a field other than bioengineering may be required to complete more than the required semester hours of the program of study.

Program Requirements for Thesis MS:

Bioengineering course work (9 credits)
Mathematical electives (6 credits)
General electives (9 credits)
Bioengineering seminar (3 credits)
Thesis (6 credits)
Degree requirements total 33 credits

Program Requirements for NonThesis MS:

Bioengineering course work (15 credits)
Mathematical electives (6 credits)
General electives (9 credits)
Bioengineering seminar (3 credits)
Applied project (3 credits)
Degree requirements total 36 credits

Admission Requirements: In addition to the general requirements for admission to the Graduate College, applicants must submit the following directly to the Graduate College:

1. official GRE scores,
2. official TOEFL scores (if applicable),
3. a statement of purpose,
4. resume or CV,
5. three letters of recommendation.

The application deadline for fall admission is January 15 of the same year (i.e., a student wishing to enroll for fall 2009 will need to apply by January 15, 2009).

The application deadline for spring admission is August 31 of the previous year (i.e., a student wishing to enroll for spring 2009 will need to apply by August 31, 2008).

Bioengineering (PhD) ESBIOENPHD

IRA A. FULTON SCHOOL OF ENGINEERING, TEMPE

Contact: <http://hdbe.fulton.asu.edu> | bmerec@asu.edu | ECG 334 | 480/965-3028 | 9709

Official Degree Awarded: Bioengineering (PhD)

Program Description: The Bioengineering faculty within the Harrington Department of Bioengineering offer a graduate program leading to the PhD degree in Philosophy.

Areas of study include neural engineering, molecular, cellular and tissue engineering, biomedical imaging and informatics, rehabilitation engineering, and biomaterials. The PhD degree in Bioengineering is conferred upon evidence of excellence in research resulting in a scholarly dissertation that is a contribution to knowledge.

Program Requirements: PhD students must complete the following course work (minimum of 84 semester hours), a dissertation, and pass oral and written examinations.

Required Bioengineering Courses

Doctoral students are required to complete the following core curriculum of 9 credits:

BME 598 Engineering Models for Physiological for Engineers (4)

BME 598 Modeling for Molecular/Cellular Engineering (4)

BME 598 Scientific Communication (1)

All students must complete the two courses listed in one of the following tracks (8 credits)

Neural Engineering Track

BME 598 Introduction to Neural Engineering (4)

BME 598 Computational Neuroscience (4)

Molecular Cellular and Tissue Engineering Track

BME 598 Advanced Bioengineering Transport (4)

BME 598 Advanced Biomaterials (4)

Bioimaging and Bioinformatics Track

BME598/BMI591: Introduction to Biomedical Informatics (4)

BME598/BMI591: Introduction to Biomedical Imaging Informatics (4)

Technical Electives

No fewer than 12 semester hours of coursework (as determined by the student's supervisor committee) must be selected from the list of 400-700 level courses that are not selected as required Bioengineering courses. These courses are subject to approval by the student's supervisor committee on the program of study. No more than one of these courses may be 400 level.

Research/Dissertation

The student must register for a total of 52 semester hours of research and dissertation; 12 of these semester hours must be dissertation hours.

Seminar

Graduate students are required to register for a minimum of three credits of BME 591 (seminar).

Total Requirement

A minimum of 84 semester hours is the total course/seminar/research/dissertation requirement. Total hours determined by the student's supervisor committee.

Admission Requirements: In addition to the general requirements for admission to the Graduate College, applicants must submit the following directly to the Graduate College:

1. official GRE scores,
2. official TOEFL scores (if applicable),
3. a statement of purpose,
4. resume or CV,
5. three letters of recommendation.

The application deadline for fall admission is January 15 of the same year (i.e., a student wishing to enroll for fall 2009 will need to apply by January 15, 2009).

The application deadline for spring admission is August 31 of the previous year (i.e., a student wishing to enroll for spring 2009 will need to apply by August 31, 2008.)

Biomedical Informatics (MS) ESBIOINFMS

IRA A. FULTON SCHOOL OF ENGINEERING, DTPHX

Contact: <http://sci.asu.edu> | sci.advising@asu.edu | ABC Building I, 425 N. 5th Street | 480/965-3199 | 8809

Official Degree Awarded: Biomedical Informatics (MS)

Program Description: The Biomedical Informatics degree program integrates technological expertise in informatics, computer sciences, biosciences and mathematical statistics with a knowledge of the clinical environment in the healthcare professions. The program features a sequence of courses specifically designed to bring together clinicians and researchers in teams, applying new developments in informatics theory to clinical practice.

Program Requirements: The program of study must contain a minimum of 30 semester hours of approved graduate work and a thesis. A typical program of study will resemble the following:

Semester I

BMI 501 Introduction to Biomedical Informatics (3)
BMI 502 Foundations of Biomedical Informatics Methods I (3)
BMI Elective (3)

Semester II

BMI 505 Foundations of Biomedical Informatics Methods II (3)
BMI 540 Problem Solving in Biomedical Informatics (3)
BMI Elective (3)

Semester III

BMI Elective (3)
BMI 599 Thesis (3)

Semester IV

BMI Elective (3)
BMI 599 Thesis (3)

Admission Requirements: Students interested in applying to this program must submit a Graduate College online application. An applicant to the MS degree program in Biomedical Informatics should have earned a bachelor's degree in computer science, biology, physiology, psychology, nursing, statistics, engineering or a related field. Applicants who have earned degrees in other unrelated fields with appropriate academic backgrounds will also be considered. However, all applicants must have basic competencies in college-level calculus (similar to MAT 170), general biology (similar to BIO 188) or physiology, statistics (similar to STP 226) and basic computer programming (similar to CSE 100 or 110). The applicant's undergraduate GPA and depth of preparation in their field are the primary factors affecting admission. Every applicant must submit scores for the Graduate Record Exam (GRE) or any other graduate-level entry exam. An international student must also submit Test of English as a Foreign Language (TOEFL) scores.

Biomedical Informatics (PhD) ESBMIPHD

IRA A. FULTON SCHOOL OF ENGINEERING, DTPHX

Contact: <http://sci.asu.edu> | sci.advising@asu.edu | ABC Building I, 425 N. 5th Street | 602/827-2537 | 8809

Official Degree Awarded: Biomedical Informatics (PhD)

Program Description: The faculty in the Department of Biomedical Informatics (within the School of Computing and Informatics) offers a graduate program leading to the PhD degree in Biomedical Informatics. The core program features courses specifically designed to bring together clinicians, biological scientists, and informatics researchers to apply new developments in informatics theory to clinical or biological practice. Additional concentration coursework in an area of focus and emphasis on independent research are intended to place these students at the leading edge of the field. Our strong collaborative relationships

with a variety of health care organizations as well as the bioscience industry and governmental agencies provide an unparalleled opportunity for doctoral students to explore and contribute to advances in bioinformatics, informatics related to imaging, clinical medicine, and public health, with special foci on cross-cutting areas such as cognitive science, data mining, predictive modeling, embedded sensors and simulation.

Program Requirements: Due to the diverse academic backgrounds of students requesting admission into this program, many will find it necessary to take some coursework in preparation. However, all students will take the following:

Minimum credit hours: 84

Required courses: 39 - 45 credits

BMI 501 Introduction to Biomedical Informatics (3 cr.)

Students must also complete a dissertation and pass an oral comprehensive examination. BMI 502 Foundations of Biomedical Informatics Methods I (3 cr.)

BMI 505 Foundations of Biomedical Informatics Methods II (3 cr.)

BMI 515 Advanced Biostatistical Methods (3 cr.)

BMI 540 Problem Solving in Biomedical Informatics (3 cr.)

BMI 792 Research (12 - 18 cr.)

BMI 799 Thesis (12 cr.)

Elective courses (these include but are not limited to): 39 - 45 Credits

BMI 511 Decision Support and Evidence-based Practice (3 cr.)

BMI 541 Cognitive Decision Making in Health Care (3 cr.)

BMI 516 Understanding Biomedical Data (3 cr.)

BMI 555 Medical Information Management (3 cr.)

BMI 520 Modeling Gene Regulatory Networks (3 cr.)

Others from CURRENT COURSES AND EXISTING PROGRAMS

Students must also complete a dissertation and pass an oral comprehensive examination.

Admission Requirements: Student's interested in applying to this program must submit the Graduate College online application. An applicant to the Ph.D. program in Biomedical Informatics should have earned a Bachelor's Degree in Computer Science, Biology, Physiology, Psychology, Nursing, Statistics, Engineering, a clinical discipline (ie. medicine), or a related field. We will also consider student applicants who have earned degrees in other unrelated fields with appropriate academic backgrounds. However, all applicants must have basic competencies in college calculus, general biology, anatomy and physiology, statistics, and computer programming. The applicant's undergraduate GPA and depth of preparation in their field are the primary factors affecting admission. Every applicant must submit scores for the Graduate Record Examination (GRE) (verbal, quantitative, and analytical required; the subject test is optional) or any other graduate level entry exam. An international student must also submit Test of English as a Foreign Language (TOEFL) scores.

Chemical Engineering (MS) ESCHEMEMS

IRA A. FULTON SCHOOL OF ENGINEERING, TEMPE

Contact: <http://che.fulton.asu.edu> | <http://che.fulton.asu.edu/contact> | ECG 202 | 4809653313 | 6006

Official Degree Awarded: Chemical Engineering (MS)

Program Description: The faculty in the Department of Chemical Engineering offer a graduate program leading to the MS in Chemical Engineering. Areas of research emphasis include atmospheric aerosols, biomolecular engineering, biosensors, chemical therapies for neurodegenerative diseases, electrochemistry, electronic materials processing, engineering education, flexible display technology, fuel cells, inorganic membranes, process design and operations, protein synthesis, transport phenomena in

living systems, and water purification. A Graduate Student Handbook, detailing information on graduate studies in Chemical Engineering, is available online at <http://che.fulton.asu.edu/graduate/resources-forms>. Students should contact the department for additional details.

Program Requirements: All candidates for the MS in Chemical Engineering are required to complete an approved program of study consisting of 33 required semester hours and a thesis. The required coursework for this degree is divided into the following categories:

Chemical Engineering Core Requirements: Students are required to take 15 semester hours of graduate level Chemical Engineering courses, exclusive of seminar (CHE 591), deficiency courses (CHE 501-505), Research/Thesis (CHE 592/599), and Reading and Conference (CHE 590).

Of these 15 hours, a minimum of three courses (nine hours) must come from the following list:

CHE 527 (3): Advanced Applied Mathematical Analysis in Chemical Engineering

CHE 533 (3): Transport Processes I

CHE 543 (3): Thermodynamics of Chemical Systems

CHE 544 (3): Chemical Reactor Engineering

CHE 598 (3): Research Methods

Technical Electives: Master's candidates must select a minimum of nine hours of graduate-level elective courses (beyond the required 15 hours of CHE core requirements) if they take only six hours of thesis. Six hours of technical electives are required if the student elects to take nine hours of combined thesis/research (which includes six hours of thesis and three hours of research). At least one technical elective course (three hours) must be taken from outside of Chemical Engineering.

**400-level courses in departments outside of Chemical Engineering are considered appropriate technical electives unless the course content significantly matches that of 300-level or lower courses in Engineering. For instance, STP 420 does not qualify as a valid technical elective because it is similar to ECE 383. Any questions on course validity for the technical elective requirement should be addressed to the student's committee chair and/or the graduate coordinator.

**CHE 590 (Reading and Conference) may be taken as a technical elective only once (for a maximum of three credits).

Research/Thesis: Each student must register for a combined total of either six or nine semester hours of research (CHE 592) and/or thesis (CHE 599). This total must include six semester hours of thesis.

Seminar: All full-time Chemical Engineering graduate students are required to successfully complete the seminar course (CHE 591) during every semester of residence. Part-time students are required to complete CHE 591 at least three times. Only three hours of seminar apply toward the MS degree, regardless of how many times it is taken.

Total: 33 credits

Candidates whose undergraduate degree was in a field other than chemical engineering may be required to complete more than 33 semester hours.

Admission Requirements: Applicants to the MS (Master of Science) are required to submit the following:

1. Graduate College online admissions application,
2. Application fee -- \$65/domestic degree application; \$80/international degree application,
3. Three letters of recommendation from faculty or professionals who can comment on your research and scholarly capabilities,
4. GRE scores,
5. Official TOEFL scores (International Students only) note that our department requires a minimum of 600 (PBT)/100 (IBT) for admissions consideration,
6. Current resume,
7. Statement of purpose, describing your research interests and reasons for seeking a degree in our department,
8. Official transcripts from all prior institutions attended.

Please view the following link for specific admissions procedures: <http://che.fulton.asu.edu/graduate/admissions>.

Note that students applying for the MS in Chemical Engineering may have an undergraduate BS degree in a major field other than chemical engineering. The qualifications of transition students are reviewed by the department graduate admissions committee, and a special program is designed for successful applicants. In general, applicants should have had, or should be prepared to take, calculus through differential equations and physics. Transition students are expected to complete essential courses from the undergraduate chemical engineering program to prepare themselves for the graduate courses. Transition students should contact the graduate coordinator for an evaluation of the undergraduate transcript.

Chemical Engineering (MSE) ESCHEMEMSE

IRA A. FULTON SCHOOL OF ENGINEERING, TEMPE

Contact: <http://che.fulton.asu.edu> | <http://che.fulton.asu.edu/contact> | ECG 202 | 4809653313 | 6006

Official Degree Awarded: Chemical Engineering (MSE)

Program Description: The faculty in the Department of Chemical Engineering offer a professional program leading to the Master of Science in Engineering (MSE) degree with a major in Chemical Engineering. The program is designed to bridge the gap between knowledge of engineering sciences and creative engineering practice while at the same time increasing the depth and breadth of knowledge in selected areas of emphasis. The pattern of coursework applicable to the degree is potentially unique for each student, although it must conform to the general guidelines for subject matter for the degree as authorized here.

Two options are available within the MSE degree program. The first is a general MSE, where students follow the same course outline as required by the MS degree, except that they will substitute thesis/research hours with additional elective coursework. The second is a MSE with a specialization in semiconductor processing and manufacturing. Both options require completion of an applied project, rather than a thesis, at the conclusion of program coursework. Note that financial assistance is not available to students who elect a MSE degree program.

Program Requirements: In general, all candidates for the MSE are required to complete 33 semester hours and an applied project. Additional courses may be assigned by the supervisory committee depending on the background of the candidate. Specific requirements for the two MSE program options are outlined below:

Option 1: Master of Science in Engineering Degree (General MSE) in Chemical Engineering (Non-Thesis)

Students who choose this option follow the requirements for the Master of Science Degree (see MS program requirements), but will replace the thesis/research credits with additional credit hours of coursework. In addition, MSE students must take three credit hours of seminar. This degree requires a total of 33 semester hours.

After completing the coursework, students must complete a report, typically 15-20 double-spaced pages plus figures, on a topic of their choice (the topic needs to be approved by their committee). At the conclusion of the report, the student will make an oral presentation on the topic to his/her committee.

Option 2: Master of Science in Engineering Degree (MSE) in Chemical Engineering with a specialization in Semiconductor Processing and Manufacturing (Non-thesis)

The Master of Science in Engineering degree, with a major in Chemical Engineering and a specialization in semiconductor processing and manufacturing, involves a total of 33 semester hours. After completing the coursework, students must complete a report, typically 15-20 double-spaced pages plus figures, on a topic of their choice (the topic needs to be approved by their committee). At the conclusion of the report, the student will make an oral presentation on the topic to his/her committee. The following courses are required for this degree:

CHE 458/598 (3) Semiconductor Material Processing
CHE 598 (3) Deposition and Etching
EEE 591 (3) Fundamentals of Solid State Devices
IEE 570 or IEE 572 (3) Advanced Quality Control Design of Engineering Experiments
MSE 598 (3) Materials Issues in Semiconductor Processing

6 credits of chemical engineering electives at the 520 level or higher
6 credits of technical electives at the 500 level or higher
3 credits of a technical elective at the 400 level or higher

Seminar: In addition to the 30 credits listed above, three credits of the 1-unit graduate seminar (CHE 591) are required. Online students can substitute an additional technical elective (500 level or higher) for this requirement.

Total: 33 credits.

Admission Requirements: Applicants to the MSE (Master of Science in Engineering) are required to submit the following:

1. Graduate College online admissions application,
2. Application fee,
3. Three letters of recommendation from faculty or professionals who can comment on your research and scholarly capabilities,
4. Official TOEFL scores (international students only) *note that our department requires a minimum of 600 (PBT)/100 (IBT) for admissions consideration,
5. Current resume,
6. Statement of purpose, describing your research interests and reasons for seeking a degree in our department,
7. Official transcripts from all prior institutions attended.

Please view the following link for specific admissions procedures: <http://che.fulton.asu.edu/graduate/admissions>.

Students applying for the MSE in Chemical Engineering may have an undergraduate BS degree in a major field other than chemical engineering. The qualifications of transition students are reviewed by the department graduate admissions committee, and a special program is designed for successful applicants. Deficiencies for admission to the MSE are specified at the time of admission.

Chemical Engineering (PhD) ESCHEMOPHD

IRA A. FULTON SCHOOL OF ENGINEERING, TEMPE

Contact: <http://che.fulton.asu.edu> | <http://che.fulton.asu.edu/contact> | ECG 202 | 4809653313 | 6006

Official Degree Awarded: Chemical Engineering (PhD)

Program Description: The faculty in the Department of Chemical Engineering offer a graduate program leading to the PhD in Chemical Engineering. Areas of research emphasis include atmospheric aerosols, biomolecular engineering, biosensors, chemical therapies for neurodegenerative diseases, electrochemistry, electronic materials processing, engineering education, flexible display technology, fuel cells, inorganic membranes, process design and operations, protein synthesis, transport phenomena in living systems, and water purification. A Graduate Student Handbook, detailing information on graduate studies in Chemical Engineering, is available online at <http://che.fulton.asu.edu/graduate/resources-forms>. Students should contact the department for additional details.

Program Requirements: The Doctor of Philosophy (PhD) in Chemical Engineering requires completion of 84 semester hours, a dissertation, and written and oral comprehensive examinations. These semester hours include core/elective coursework, research/dissertation and seminar credits. Below are the specific requirements:

1. Chemical Engineering Core: The PhD program requires 15 semester hours of graduate-level Chemical Engineering courses. The following five courses (comprising these 15 hours) are required for all students:
CHE 527 (3): Advanced Applied Mathematical Analysis in Chemical Engineering
CHE 533 (3): Transport Processes I
CHE 543 (3): Thermodynamics of Chemical Systems
CHE 544 (3): Chemical Reactor Methods
CHE 598 (3): Research Methods

2. **Technical Electives:** In addition to the 15 hours of core above, the PhD program requires 12 semester hours of technical electives from within or outside the Department of Chemical Engineering. CHE courses meeting this requirement must be at the 520 level or higher; 400-level and 590 courses (from CHE or outside departments) may not be used to fulfill this requirement (although they may be used to satisfy no. 5 below). Students should consult with their supervisory committees in selecting appropriate technical elective courses.
3. **Research/Dissertation:** Students are required to take 12 hours of research (CHE 792) and 12 hours of dissertation (CHE 799), for a combined total of 24 hours. Note that 12 hours (and only 12) of dissertation credit (CHE 799) are required on the program of study. Moreover, students can only take CHE 799 once they have passed the comprehensive exam and been admitted to candidacy.
4. **Seminar:** Students must register for the one-credit-hour seminar (CHE 591) during every semester in residence. However, only a maximum of five credit hours may apply to the program of study.
5. **Additional Research/Elective hours:** The additional 28 hours necessary to meet the 84-hour minimum may be fulfilled with any combination of additional research hours (CHE 792) and technical electives from the Department of Chemical Engineering or other departments. CHE 590 (Reading and Conference) hours may also be used to fulfill this area. Note that 400-level courses in departments outside Chemical Engineering may be used to fulfill this area unless the course content significantly matches that of 300-level or lower courses in engineering. For example, STP 420 does not qualify as a valid elective because it is similar to ECE 383. Elective courses used to meet this requirement must be approved as part of the student's program of study.

Total: 84 credit hours (including 15 hours core, 12 hours technical electives, 24 hours research/dissertation, 5 hours seminar, and 28 hours additional research/electives)

If a student has earned a master's degree in Chemical Engineering or in a similarly named program with equivalent course requirements (either from ASU or elsewhere), he/she may transfer up to 30 semester hours toward the PhD degree with the approval of his/her supervisory committee (students without master's degrees can also transfer earned graduate-level hours). However, the specific requirements of the 84 credit hours of coursework described above must still be met. Hence, if a student transfers in 30 semester hours, but none of these credits fulfill the Chemical Engineering core requirements, that student will still need to take the appropriate coursework to fulfill these requirements. Students who transfer in 30 hours are required to complete a minimum of 54 hours after being admitted to the PhD program at ASU. In some cases students transferring in 30 hours may need to take more than the minimum 54 to meet all of the requirements of the program.

Admission Requirements: Applicants to the PhD (Doctor of Philosophy) are required to submit the following:

1. Graduate College online admissions application.
2. Application fee,
3. Three letters of recommendation from faculty or professionals who can comment on your research and scholarly capabilities.
4. GRE scores.
5. Official TOEFL scores (international students only) * note that our department requires a minimum of 600 (PBT)/100 (IBT) for admissions consideration.
6. Current resume.
7. Statement of purpose, describing your research interests and reasons for seeking a degree in our department.
8. Official transcripts from all prior institutions attended.

Please view the following link for specific admissions procedures: <http://che.fulton.asu.edu/graduate/admissions>.

To be eligible for regular admission, the student must have a bachelor's degree in Chemical Engineering (or in a closely related field). To be eligible for regular admission, United States citizens normally will have a minimum grade point average (GPA) of 3.2 out of a total possible 4.0 or equivalent. Foreign applicants normally will be in the top 10% of their graduating class. Students entering with master's degrees are required to have a minimum GPA in their master's degree coursework of a 3.5 out of a possible 4.0.

Civil/Environmental Engineering (MS) ESCIVILMS

IRA A. FULTON SCHOOL OF ENGINEERING, TEMPE

Contact: <http://cee.fulton.asu.edu/graduate/graduate-studies> | cee@asu.edu | 480/965-0595 | 5306

Official Degree Awarded: Civil and Environmental Engineering (MS)

Program Description: The faculty in the Ira A. Fulton School of Engineering offer a graduate program leading to the Master of Science (MS) degree with a major in Civil and Environmental Engineering. The program is designed to enhance the knowledge gained in the undergraduate program by requiring the students to understand and practice fundamental concepts in engineering, mathematics and the basic sciences. The pattern of course work applicable to the degree is potentially unique for each student, although it must conform to the general guidelines for subject matter content for the degree as authorized here and in the department's Graduate Handbook. Students are admitted to one of the following specialty areas: construction engineering, geotechnical engineering, environmental engineering, structural engineering, transportation engineering and water resources engineering.

Program Requirements: This program requires 30 credit hours and a thesis. All candidates for the MS degree are required to complete 24 semester hours of approved graduate course work. Additional courses may be assigned by the graduate supervisory committee depending on the background of the candidate. In addition, the students are required to register for and complete a minimum of six semester hours of thesis. A final oral examination in the defense of the thesis work is required for all students.

Admission Requirements: Applicants are expected to satisfy all requirements for admission to the Graduate College. Entry into this program normally requires a bachelor's degree with a major in engineering or in a closely related bachelor's degree program. The student's credentials for admission are evaluated by the Specialty Area Coordinator (SAC) or by a committee chaired by the SAC. A minimum requirement is an overall undergraduate GPA of 3.00 on a 4.00 scale (applicants with a lower GPA may be provisionally admitted at the discretion of the admission committee). A student whose undergraduate degree is not in civil engineering is required to take appropriate undergraduate courses as deficiency courses to establish a base of knowledge in the discipline. Deficiencies for admission to the graduate degree programs are specified at the time of admission and details can be obtained at the Graduate Studies section of the department's Web site.

Applicants must take the Graduate Record Examination (GRE) and have the scores sent to Graduate College. TOEFL scores must be submitted by international applicants and applicants whose maternal language is not English. Applicants with TOEFL scores of 550 (83 on the Internet-based test, 213 on the computer-based examination) or higher may be regularly admitted without requiring further language study. Applicants with scores below 550 may be regularly admitted but must complete study in ASU's American English and Culture Program (AECPP) before enrolling in course work in the academic program. Applicants required to take the TOEFL exam and seeking a teaching assistantship must demonstrate proficiency in spoken English; a score of 55 or better on the SPEAK examination is required.

Civil/Environmental Engineering (MSE) ESCIVILMSE

IRA A. FULTON SCHOOL OF ENGINEERING, TEMPE

Contact: <http://cee.fulton.asu.edu> | cee@asu.edu | ECG 252 | 4809653589 | 5306

Official Degree Awarded: Civil and Environmental Engineering (MSE)

Program Description: The faculty in the Ira A. Fulton School of Engineering offer a professional program leading to the Master of Science in Engineering (MSE) degree with a major in Civil and Environmental Engineering. The program is designed to bridge the gap between knowledge of engineering sciences and creative engineering practice while at the same time increasing the depth and breadth of knowledge in selected areas of emphasis. The pattern of course work applicable to the degree is potentially unique for each student, although it must conform to the general guidelines for subject matter content for the degree as authorized here and in the department's Graduate Handbook. Students are admitted to one of the following specialty areas: construction engineering, geotechnical engineering, environmental engineering, structural engineering, transportation engineering and water resources engineering.

Program Requirements: All candidates for the MSE degree are required to complete 30 semester hours of approved graduate course work. Additional courses may be assigned by the graduate supervisory committee depending on the background of the candidate. A final comprehensive examination is required for all students. Details of this examination for the different specialty areas can be obtained at the Graduate Studies section of the department's Web site.

Admission Requirements: Applicants are expected to satisfy all requirements for admission to the Graduate College. Entry into this program normally requires a bachelor's degree with a major in engineering or in a closely related bachelor's degree program.

The student's credentials for admission are evaluated by the Specialty Area Coordinator (SAC) or by a committee chaired by the SAC. A minimum requirement is an overall undergraduate GPA of 3.00 on a 4.00 scale (applicants with a lower GPA may be provisionally admitted at the discretion of the admission committee). A student whose undergraduate degree is not in civil engineering is required to take appropriate undergraduate courses as deficiency courses to establish a base of knowledge in the discipline. Deficiencies for admission to the graduate degree programs are specified at the time of admission and details can be obtained at the Graduate Studies section of the department's Web site.

Applicants must take the Graduate Record Examination (GRE) and have the scores sent to Graduate College. TOEFL scores must be submitted by international applicants and applicants whose maternal language is not English. Applicants with TOEFL scores of 550 (83 on the Internet-based test, 213 on the computer-based examination) or higher may be regularly admitted without requiring further language study. Applicants with scores below 550 may be regularly admitted but must complete study in ASU's American English and Culture Program (AECPP) before enrolling in course work in the academic program.

Civil/Environmental Engineering (PhD) ESCIVILPHD

IRA A. FULTON SCHOOL OF ENGINEERING, TEMPE

Contact: <http://www.eas.asu.edu/~civil/> | cee@asu.edu | 4809653589 | 5306

Official Degree Awarded: Civil and Environmental Engineering (PhD)

Program Description: The faculty in the Ira A. Fulton School of Engineering offer a graduate program leading to the PhD degree in Civil and Environmental Engineering. A broad range of theoretical and experimental research programs have been established in civil and environmental engineering to prepare graduate students for careers in professional practice and research. These programs are constantly evolving with the changes in society and the profession, and many are multidisciplinary in nature. The pattern of course work applicable to the degree is potentially unique for each student, although it must conform to the general guidelines for subject matter content for the degree as authorized here and in the department's Graduate Handbook. Students are admitted to one of the following specialty areas: construction engineering, geotechnical engineering, environmental engineering, structural engineering, transportation engineering and water resources engineering.

Program Requirements: All candidates for the PhD degree are required to complete 84 approved graduate credit hours (of these 30 hours can be from the masters degree). Additional graduate credit work may be assigned by the graduate supervisory committee depending on the background of the candidate. The graduate credit hours must include a minimum of 12 semester hours of research and 12 (and only 12) semester hours of dissertation work. This degree also requires a comprehensive examination and approval of the dissertation prospectus for the student to be eligible for doctoral candidacy. After entering candidacy, students complete their research, write and defend their dissertation. A final oral examination in the defense of the dissertation work is required for all students.

Admission Requirements: Applicants are expected to satisfy all requirements for admission to the Graduate College. Entry into this program normally requires a master's degree with a major in engineering or in a closely related master's degree program. Exceptionally qualified students with a bachelor's degree may be admitted to the doctoral program. The student's credentials for admission are evaluated by the Specialty Area Coordinator (SAC) or by a committee chaired by the SAC. A minimum requirement is an overall undergraduate GPA of 3.00 (4.00 scale) and a minimum GPA of 3.2 in the graduate coursework.

A student whose undergraduate or masters degree is not in civil engineering is required to take appropriate undergraduate and/or graduate courses as deficiency courses to establish a base of knowledge in the discipline. Deficiencies for admission to the PhD degree program are specified at the time of admission and details can be obtained at the Graduate Studies section of the department's Web site.

Applicants must take the Graduate Record Examination (GRE) and have the scores sent to Graduate College. TOEFL scores must be submitted by international applicants and applicants whose maternal language is not English. Applicants with TOEFL scores of 550 (83 on the Internet-based test, 213 on the computer-based examination) or higher may be regularly admitted without requiring further language study. Applicants with scores below 550 may be regularly admitted but must complete study in ASU's American English and Culture Program (AECPP) before enrolling in course work in the academic program. Applicants required to take the TOEFL exam and seeking a teaching assistantship must demonstrate proficiency in spoken English; a score of 55 or better on the SPEAK examination is required.

Computer Science (Biomedical Informatics)(MS) ESCSBIOIMS

IRA A. FULTON SCHOOL OF ENGINEERING, TEMPE

Contact: <http://cse.asu.edu> | cse@asu.edu | Brickyard #528 | 480/965-3190 | 8809

Official Degree Awarded: Computer Sciences (Biomedical Informatics) (MS)

Program Description: Computer Science (Biomedical Informatics)(MS)

Computer Science (MCS) ESCOMSC MCS

IRA A. FULTON SCHOOL OF ENGINEERING, TEMPE

Contact: <http://sci.asu.edu> | sci.advising@asu.edu | BYENG 553 | 480/965-3190 | 8809

Official Degree Awarded: Computer Science (MCS)

Program Description: The faculty in the Department of Computer Science and Engineering offer a professional program leading to the Master of Computer Science (MCS) degree. The MCS program provides a professionally oriented, graduate-level education in computer science and engineering. The program reflects the dual nature of computer science as both a scientific and engineering discipline by allowing emphasis on theory as well as practical applications. Students can study topics such as artificial intelligence, computer-aided geometric design, computer architecture, computer graphics, computer science theory, database concepts, digital systems design, distributed systems, language processing, networking, operating systems and software engineering.

Program Requirements: Each student defines a potentially unique program of study subject to approval by the department and the Graduate College. The program of study must contain a minimum of 30 semester hours of approved graduate-level work. At least 18 of these hours must be CSE 500-level credits at ASU (excluding CSE 598 courses). At least 27 hours must be for formal course work (including CSE 591 but excluding credits for independent projects). No credits for CSE 590 Reading and Conference or CSE 599 Thesis are allowed on a program of study for the MCS degree. MCS students must complete a project portfolio from three courses they took and receive a "B" or higher grade. Student's must pass a written comprehensive examination.

All MCS students must take at least three semester hours in each of the following three areas: foundations, systems and applications. At least two of the three area courses must be at the 500 level (not 598). The classes listed as 400 level must be taken as CSE 598. Please see the area courses section on the department Web page <http://sci.asu.edu/graduate/concentrations.php> for a partial list of courses in each area. The department may prescribe additional courses based on the background of the candidate.

Admission Requirements: Applicants must submit a Graduate College online application. An applicant for the MCS program should normally have a baccalaureate degree in computer science, computer engineering or a closely related area. The applicant's undergraduate GPA, GRE (verbal, quantitative and analytical) score, and depth of preparation in computer science and engineering are the primary factors affecting admission. The GRE subject test in computer science is optional. An international student must also submit the results of the TOEFL. The application deadline for admission in the fall semester is December 1, and August 1 for the spring semester. The deadlines for financial aid are the same as the application deadlines.

Computer Science (MS) ESCOMSCMS

IRA A. FULTON SCHOOL OF ENGINEERING, TEMPE

Contact: <http://sci.asu.edu> | sci.advising@asu.edu | BYENG 553 | 480/965-3190 | 8809

Official Degree Awarded: Computer Science (MS)

Program Description: Each student defines a potentially unique program of study in conjunction with an advisor, subject to the approval of the department and the Graduate College. The program of study must contain a minimum of 30 semester hours of approved graduate-level work, including six semester hours of CSE 599 Thesis. For the arts, media, and engineering concentration, students substitute two hours of AME 599. At least 18 semester hours must be CSE 500-level credits at ASU

(excluding CSE 598 courses but including CSE 599). At least 21 semester hours must be for formal course work (including CSE 591 but excluding CSE 590, CSE 599, and similar credits for independent projects).

For the arts, media, and engineering concentration, students take nine semester hours through the Arts, Media and Engineering Program as part of the 21 semester hours. All MS students must take at least three semester hours in each of the following three areas: foundations, systems, and applications. At least two of the three courses must be at the 500-level (not 598). The classes listed as 400-level must be taken as CSE 598. See area courses sections on department Web page for a partial list of courses in each area. Every MS student is required to take at least nine semester hours of courses in their thesis area, possibly including courses from the list of area courses, and possibly including three credits hours of independent study. No foreign language credit is required.

Program Requirements: The faculty in the Department of Computer Science and Engineering (within the School of Computing and Informatics) offer a graduate program leading to the MS degree in Computer Science.

Areas of study and research areas include algorithms, artificial intelligence, bioinformatics, computer-aided geometric design and computer graphics, computer networks, database systems, distributed computing and operating systems, embedded systems, information assurance, intelligent information integration, multimedia information systems and software engineering. In addition, the department conducts research closely with the Center for Cognitive Ubiquitous Computing; Center for Research in Arts, Media, and Engineering; and Partnership for Research in Stereo Modeling in various aspects of computer science.

Admission Requirements: Students interested in applying to this program must submit the Graduate College online application. An applicant for the MS program should normally have a baccalaureate degree in computer science, computer engineering or a closely related area. The applicant's undergraduate GPA and depth of preparation in computer science and engineering are the primary factors affecting admission. Every applicant must submit scores for the Graduate Record Examination (GRE) (verbal, quantitative and analytical required; the subject test in computer science is optional). An international student must also submit Test of English as a Foreign Language (TOEFL) scores. The application deadline for admission in the fall semester is December 1, and the deadline for admission in the spring semester is August 1. Deadlines for financial aid are the same as the admission deadlines.

Computer Science (PhD) ESCOMSCPHD

IRA A. FULTON SCHOOL OF ENGINEERING, TEMPE

Contact: <http://sci.asu.edu> | sci.advising@asu.edu | BYENG 553Brick Yard on Mill Ave 208 | 480/965-3190 | 8809

Official Degree Awarded: Computer Science (PhD)

Program Description: The faculty in the Department of Computer Science and Engineering (within the School of Computing and Informatics) offer a graduate program leading to the PhD degree in Computer Science.

Areas of study and research areas include algorithms, artificial intelligence, bioinformatics, computer-aided geometric design and computer graphics, computer networks, database systems, distributed computing and operating systems, embedded systems, information assurance, intelligent information integration, multimedia information systems and software engineering. In addition, the department conducts research closely with the Center for Cognitive Ubiquitous Computing; Center for Research in Arts, Media and Engineering; and Partnership for Research in Stereo Modeling in various aspects of computer science.

Program Requirements: The PhD program requires 84 credit hours, and dissertation, and written and oral comprehensive examinations.

Students must:

1. complete every deficiency course with a GPA of 3.00 or higher before or concurrent to completion of the ninth hour of graduate credit,
2. file an approved tentative program of study before the end of the first semester in the graduate program,
3. file a new approved tentative program of study before beginning work in any course that deviates from the previously approved tentative program of study,
4. select a faculty advisor to serve as chair of the supervisory committee,

5. select a supervisory committee, in consultation with the faculty advisor, and submit an online final program of study.

When the course work in the program of study is complete and the final program of study is approved by the Graduate College, the comprehensive examination can be completed.

Students then enroll in CSE 792 Research with approval from the supervisory committee to work on the dissertation proposal.

After the dissertation prospectus is approved, apply for admission to candidacy and enroll in CSE 799 Dissertation to complete the work agreed upon in the dissertation prospectus.

In the final semester, students file an application for graduation with the Graduation Office of the Registrar.

Deliver one bound copy of the dissertation to the graduate advisor and deliver one bound copy to the faculty advisor. The bookstore delivers two bound copies directly to the library. As a courtesy, determine which members of the supervisory committee would like a bound copy of the dissertation.

Admission Requirements: Students interested in applying to this program must submit the Graduate College online application. An applicant for the PhD program should have the equivalent of a baccalaureate major in computer science, computer engineering or a closely related area. Most applicants should have earned the master's degree, but applicants with exceptional attainments in their baccalaureate are admitted directly into the PhD program. The primary factors affecting admission include the applicant's GPA, depth of preparation in computer science and engineering, GRE (verbal, quantitative, analytical and computer science) scores, a statement of purpose and three letters of recommendation. An international student must submit TOEFL scores. The application deadline for admission in the fall semester is December 1, and the deadline for admission in the spring semester is August 1. The deadlines for financial aid are the same as the admission deadline.

Computer Science - Art, Media and Engineering (MS) ESAMECSMS

IRA A. FULTON SCHOOL OF ENGINEERING, TEMPE

Contact: <http://www.sci.asu.edu> | sci.advising@asu.edu | Brick Yard on Mill Ave 553 | 480/965-3190 | 8809

Official Degree Awarded: Computer Science (Arts, Media and Engineering) (MS)

Program Description: The Arts, Media and Engineering (AME) program emphasizes research on the integration of the human physical experience with computation and digital media. AME researchers produce experiential media systems and models that evolve human ability, facilitate learning, enhance scientific discovery, empower creativity, assist the disadvantaged and improve quality of life. Within these application areas, researchers explore sensing, perception and modeling, interaction and feedback, and experiential construction and knowledge creation. The purpose of the AME concentration in Computer Science and Engineering is to train hybrid engineering-arts graduates who get their inspiration from the arts and their methodology from computer science and engineering. The students will specialize in transdisciplinary media development.

Program Requirements: The program requires 30 hours and a thesis.

Admission Requirements: Students interested in applying to an AME concentration must:

1. Submit the Graduate College online application, selecting the home department degree program and coordinating AME concentration,
2. Send sealed transcripts and three letters of recommendation to the Graduate Admissions Office:

Graduate College
Arizona State University
Administration B-Wing, Room 285
PO Box 871003
Tempe AZ 85287-1003

3. If required by the department, submit GRE scores directly to the Graduate College.
4. International students are required to submit a TOEFL score to the Graduate College.

5. Visit the department's Web site to determine whether supplemental application materials are required. If so, send them directly to the department.
6. Determine the department's application deadline. Observe the earlier of the department's deadline or Feb. 1, 2008 (AME's application deadline). Departments also may have audition deadlines, etc. Please observe all department application requirements.
7. Send the following items directly to AME, even if duplicates have been sent to the department:

- A. Statement of Purpose
- B. Curriculum Vitae

Arts, Media and Engineering Program
Attn: Education Coordinator
Arizona State University
PO Box 878709
Tempe AZ 85287-8709

The statement of purpose must fulfill any requirements of the department and also address the transdisciplinary nature of the Arts, Media and Engineering Program. Applicants should explain in a concise and persuasive manner how their educational, professional and personal experiences inform their research and creative interests, writing on any aspect of their background that supports candidacy to the AME Program. For further information on how this statement can be expanded upon by students interested in Research Assistantships or IGERT fellowships within AME, please visit the financial aid page.

Please submit a current CV with your statement of purpose.

Computer Science - Art, Media and Engineering (PhD) ESAMECSPHD

IRA A. FULTON SCHOOL OF ENGINEERING, TEMPE

Contact: <http://www.sci.asu.edu> | sci.advising@asu.edu | Brick Yard on Mill Ave 208 | 480/965-3190 | 8809

Official Degree Awarded: Computer Science (Arts, Media and Engineering) (PhD)

Program Description: The Arts, Media and Engineering (AME) program emphasizes research on the integration of the human physical experience with computation and digital media. AME researchers produce experiential media systems and models that evolve human ability, facilitate learning, enhance scientific discovery, empower creativity, assist the disadvantaged and improve quality of life. Within these application areas, researchers explore sensing, perception and modeling, interaction and feedback, and experiential construction and knowledge creation. The purpose of the Computer Science/AME concentration is to train hybrid engineering-arts graduates who get their inspiration from the arts and their methodology from computer science and engineering. The students will specialize in transdisciplinary media development.

Program Requirements: Of the 84 total hours required for PhD in Computer Science and Engineering, 36 hours of this concentration focus on Arts, Media and Engineering. The PhD also requires a dissertation and successful completion of written and oral comprehensive exams.

Admission Requirements: Students interested in applying to an AME concentration must:

1. Submit the Graduate College online application, selecting the home department degree program and coordinating AME concentration,
2. Send sealed transcripts and three letters of recommendation to the Graduate Admissions Office:

Graduate College
Arizona State University
Administration B-Wing, Room 285
PO Box 871003
Tempe AZ 85287-1003

3. If required by the department, submit GRE scores directly to the Graduate College.
4. International students are required to submit a TOEFL score to the Graduate College.
5. Visit the department's Web site to determine whether supplemental application materials are required. If so, send them directly to the department.
6. Determine the department's application deadline. Observe the earlier of the department's deadline or Feb. 1, 2008 (AME's application deadline). Departments also may have audition deadlines, etc. Please observe all department application requirements.
7. Send the following items directly to AME, even if duplicates have been sent to the department:

- A. Statement of Purpose
- B. Curriculum Vitae

Arts, Media and Engineering Program
Attn: Education Coordinator
Arizona State University
PO Box 878709
Tempe AZ 85287-8709

The statement of purpose must fulfill any requirements of the department and also address the transdisciplinary nature of the Arts, Media and Engineering Program. Applicants should explain in a concise and persuasive manner how their educational, professional and personal experiences inform their research and creative interests, writing on any aspect of their background that supports candidacy to the AME Program. For further information on how this statement can be expanded upon by students interested in Research Assistantships or IGERT fellowships within AME, please visit the financial aid page.

Please submit a current CV with your statement of purpose.

Computer Science - Information Assurance (MCS) ESCSEI MCS

IRA A. FULTON SCHOOL OF ENGINEERING, TEMPE

Contact: <http://sci.asu.edu/about/cse.php> | cse@asu.edu | Brickyard Rm 552 | 480/965-3190 | 8809

Official Degree Awarded: Computer Science (Information Assurance) (MCS)

Program Description: This program is designed for graduate students who want to pursue a thorough education in the area of information assurance. The goal of this concentration is to provide students the knowledge, skills and the advanced development capability in science and engineering for information assurance, including computer and network security, software security, data and information security, applied cryptography and computer forensics. Students will have a competitive advantage to secure employment.

According to the National Security Agency, information assurance is defined as the set of measures intended to protect and defend information and information systems by ensuring their availability, integrity, authentication, confidentiality and non-repudiation. This includes providing restoration of information systems by incorporating protection, detection and reaction capabilities.

Program Requirements: The Computer Science (MS) degree program with a concentration in information assurance must contain a minimum of 30 semester hours of approved graduate-level work (six hours of CSE 599 Thesis). At least 24 hours must be for formal course work (including CSE 591 but excluding CSE 590 and CSE 599).

All students must take at least three credit hours in each of the following three areas: Foundations, Systems and Applications. At least two out of the three area courses must be at the 500-level (but not CSE 598). The classes listed as 400-level must be taken as CSE 598. In addition, the MS thesis must have a major portion of the content in the information assurance area.

Admission Requirements: Students interested in applying to this program must submit the Graduate College online application. An applicant for the MS program should normally have a baccalaureate degree in computer science, computer engineering or a closely related area. The applicant's undergraduate GPA and depth of preparation in computer science and engineering are the primary factors affecting admission. Every applicant must submit scores for the Graduate Record Examination (GRE) (verbal,

quantitative and analytical required; the subject test in computer science is optional). An international student must also submit Test of English as a Foreign Language (TOEFL) scores. The application deadline for admission in the fall semester is December 1, and the deadline for admission in the spring semester is August 1. Deadlines for financial aid are the same as the admission deadlines.

Computer Science - Information Assurance (MS) ESCSEIAMS

IRA A. FULTON SCHOOL OF ENGINEERING, TEMPE

Contact: <http://sci.asu.edu> | sci.advising@asu.edu | BYENG 553 | 480/965-3190 | 8809

Official Degree Awarded: Computer Science (Information Assurance) (MS)

Program Description: The Computer Science - Information Assurance Master of Science program is designed for graduate students who want to pursue a thorough education in the area of information assurance. The goal of this concentration is to provide students the knowledge, skills and the advanced development capability in science and engineering for information assurance, including computer and network security, software security, data and information security, applied cryptography and computer forensics. Students will have a competitive advantage to secure employment.

According to the National Security Agency, information assurance is defined as the set of measures intended to protect and defend information and information systems by ensuring their availability, integrity, authentication, confidentiality and nonrepudiation. This includes providing restoration of information systems by incorporating protection, detection and reaction capabilities.

Program Requirements: Computer Science- Information Assurance (MS) degree must contain a minimum of 30 semester hours of approved graduate-level work (six hours of CSE 599 Thesis. At least 24 hours must be for formal course work (including CSE 591 but excluding CSE 590 and CSE 599).

All MS students must take at least three credit hours in each of the following three areas: Foundations, Systems and Applications. At least two out of the three area courses must be at 500 levels (not CSE 598). The classes listed as 400 levels must be taken as CSE 598. Please see the area courses section on the department Web page, <http://sci.asu.edu/graduate/concentrations.php> for a list of courses in each area. In addition, the MS thesis must have a major portion of the content in the information assurance area.

Admission Requirements: Students interested in applying to this program must submit the Graduate College online application. An applicant for the MS program should normally have a baccalaureate degree in computer science, computer engineering or a closely related area. The applicant's undergraduate GPA and depth of preparation in computer science and engineering are the primary factors affecting admission. Every applicant must submit scores for the Graduate Record Examination (GRE) (verbal, quantitative and analytical required; the subject test in computer science is optional). An international student must also submit Test of English as a Foreign Language (TOEFL) scores. The application deadline for admission in the fall semester is December 1, and the deadline for admission in the spring semester is August 1. Deadlines for financial aid are the same as the admission deadlines.

Computer Science - Information Assurance (PhD) ESCSEIAPHD

IRA A. FULTON SCHOOL OF ENGINEERING, TEMPE

Contact: <http://www.sci.asu.edu> | sci.advising@asu.edu | BYENG 553 | 480/965-3190 | 8809

Official Degree Awarded: Computer Science (Information Assurance) (PhD)

Program Description: The Computer Science - Information Assurance (PhD) program is designed for graduate students who want to pursue a thorough education in the area of information assurance. The goal of this concentration is to provide students the knowledge, skills and the advanced development capability in science and engineering for information assurance, including computer and network security, software security, data and information security, applied cryptography and computer forensics. Students will have a competitive advantage to secure employment.

According to the National Security Agency, information assurance is defined as the set of measures intended to protect and defend information and information systems by ensuring their availability, integrity, authentication, confidentiality and nonrepudiation. This includes providing restoration of information systems by incorporating protection, detection and reaction capabilities.

Program Requirements: Computer Science - Information Assurance (PhD) degree must contain a minimum of 84 semester hours of approved graduate-level work, 12 hours (and only 12 hours) of CSE 799 Dissertation. A minimum of 18 credits in Information Assurance and related areas are required (including CSE 591 but excluding CSE 790 and CSE 799). Additional credit hours are to be in Computer Science coursework and 18 hours of research (CSE 792).

All PhD students must take at least three credit hours in each of the following three areas: Foundations, Systems and Applications. All three area courses must be at 500 levels (not CSE 598). Please see the area courses section on the department Web page (<http://sci.asu.edu/graduate/concentrations.php>) for a list of courses in each area. Students must pass a written comprehensive examination.

Admission Requirements: An applicant for the PhD program should have the equivalent of a baccalaureate major in computer science, computer engineering or a closely related area. Most applicants should have earned the master's degree, but applicants with exceptional attainments in their baccalaureate are admitted directly into the PhD program. The primary factors affecting admission include the applicant's GPA, depth of preparation in computer science and engineering, GRE (verbal, quantitative, analytical and computer science) scores, a statement of purpose and three letters of recommendation. An international student must submit TOEFL scores. The application deadline for admission in the fall semester is December 1, and the deadline for admission in the spring semester is August 1. The deadlines for financial aid are the same as the admission deadline.

Construction (MS) ESCONSTMS

IRA A. FULTON SCHOOL OF ENGINEERING, ONLINE

Contact: <http://construction.asu.edu> | dewsc_graduate@asu.edu | USE 118 | 480/965-3616 | 0204

Official Degree Awarded: Construction (MS)

Program Description: The faculty in the Del E. Webb School of Construction offer a graduate program leading to the MS degree in Construction. Concentrations are available in construction management and facilities management. The interdisciplinary nature of the program allows a candidate's program of study to reflect both individual interests and career goals.

The primary objective of the program is to allow students with a baccalaureate degree in construction or a related field such as architecture, business or engineering to broaden and improve their professional capabilities in construction. The program is designed to meet the growing need for professionals with advanced technical, management and applied research skills in the construction industry.

The facilities (management) concentration supports the needs of the student desiring a career in the maintenance, operation, renovation or decommissioning of existing facilities. The (construction) management concentration allows students seeking upper-level management positions in various sectors of the construction industry to improve their competency in project, program and company management areas.

Program Requirements: The program of study consists of the following: thesis option-30 semester hours of graduate study culminating in a thesis and an oral defense; or nonthesis option-36 semester hours of graduate study culminating in an applied project .

If appropriate graduate-level courses are not available in a student's pursued area of interest, the supervisory committee has the option to approve a maximum of two 400-level courses to be part of the program of study. Students may not use 400-level deficiency courses to satisfy degree requirements.

Admission Requirements: Applicants are expected to satisfy all requirements for admission to the Graduate College. In addition, applicants are expected to be competent in basic construction topics. Admission is based on an evaluation of the student's academic and professional background; scores from the verbal, quantitative, and analytical writing portions of the GRE; letters of recommendation; a personal statement; and a current resume. Furthermore, students whose native language is not English must also submit a TOEFL score of at least 550.

Construction (PhD) ESCONPHD

IRA A. FULTON SCHOOL OF ENGINEERING, TEMPE

Contact: <http://construction.asu.edu> | dewsc_graduate@asu.edu | USE 118 | 480/965-3616 | 0204

Official Degree Awarded: Construction (PhD)

Program Description: The purpose of this program is to prepare research scholars, new faculty and professionals for positions in industry, universities and government, as well as facilitate a higher level of investigation and knowledge creation through the professor-PhD student dynamic. The Dell E. Webb School of Construction is distinctively positioned to provide students with an interdisciplinary educational and research experience at the PhD level, which will provide value in construction education, research and industry programs, private construction research facilities, and high-level management positions in the construction industry.

The objectives of the degree program include research experience for doctoral students who might wish to pursue careers in either industry or academia as members of interdisciplinary research teams, as well as providing a high-level interdisciplinary doctoral education for those who wish to develop academic careers teaching at the university level.

Program Requirements: "The PhD degree in Construction will require three to four years of full-time study and research beyond the master's degree. Generally, students will be admitted into the PhD degree program at or near the completion of their master's degree. However, students can be admitted post bachelor's degree or post master's degree. The program requires 84 credit hours post bachelor's degree or 54 credit hours post master's degree.

The program consists of core construction courses, elective courses, a qualifying examination, a comprehensive examination, the successful defense of a dissertation prospectus, admission to candidacy and a successful dissertation defense.

Admission Requirements: Students who hold a bachelor's or a master's degree in a related field from a regionally accredited university or equivalent are eligible to apply for admission to the program. Related fields include construction, civil engineering, architecture and business. At the discretion of the admission committee, students from other disciplines may be eligible as well.

Applicants are expected to satisfy all requirements for admission to the Graduate College. In addition, applicants are expected to be competent in construction topics. Admission is based upon research interests; an evaluation of the student's academic and professional background; scores from the verbal, quantitative and analytical writing portions of the GRE; letters of recommendation; a personal statement from each applicant describing their career goals and research objectives; and a current resume. Furthermore, students whose native language is not English must also submit a TOEFL score of at least 550.

Electrical Engineering (MSE) ESEEMSE

IRA A. FULTON SCHOOL OF ENGINEERING, TEMPE

Contact: <http://ee.fulton.asu.edu> | askee@asu.edu | ERC 552 | 4809653424 | 5706

Official Degree Awarded: Electrical Engineering (MSE)

Program Description: The Electrical Engineering faculty in the Ira A. Fulton School of Engineering offer a professional program leading to the Master of Science in Engineering (MSE) degree with a major in Electrical Engineering. Graduate courses and programs are offered in the following six areas of specialization:

- Control systems
- Electromagnetics, antennas and microwave circuits
- Electronic and mixed-signal circuit design
- Electric power and energy systems
- Signal processing and communications systems
- Solid-state electronics

Courses are available on-campus and online. The degree can be completed taking classes in any combination of on-campus and online modes.

A dual degree, the MBA/MSE EE, is available as an online option. For more information, visit the W. P. Carey School of Business MBA site (<http://wpcarey.asu.edu/mba/online/program/dual-degree.cfm>) and the Ira A. Fulton School of Engineering GOEE site (http://cpd.asu.edu/online/?page=online_mba_mse_ee).

Program Requirements: "The MSE is a professional degree requiring a minimum 30 hours of course work (a minimum of 10 classes) and a final comprehensive examination. There is no thesis.

Requirements include:

- At least 5 EEE courses
- At most 4 400-level courses
- At least 3 EEE 500-level courses
- At least 2 courses outside the area of specialization
- At most 1 Reading and Conference (EEE 590) or Technology Venture Clinic (EEE 584) or Entrepreneurship (FSE 598)

A final comprehensive examination in the area of specialization completes the MSE requirements. The examination is given each semester at the end of the sixth week of classes.

Admission Requirements: The decision to admit a student who has earned a bachelor's degree from a program accredited by the Accreditation Board of Engineering and Technology (ABET) to a master's program in electrical engineering is based upon a number of factors. A minimum requirement is an undergraduate grade point average of 3.0 (out of 4.0) in the student's last two years of undergraduate work. A student whose undergraduate degree is not from an ABET-accredited program must have the equivalent of at least a 3.5 grade point average in the last two years of undergraduate study and score at least 720 on the quantitative portion of the Graduate Record Examination (GRE) and a good score on the writing portion. In addition, an applicant whose native language is not English must demonstrate proficiency in the English language by scoring at least 550 on the written Test of English as a Foreign Language (TOEFL), 213 on the computer-based TOEFL (CBT), or 83 on the Internet-based TOEFL (iBT).

The admissions deadline for the fall semester is the preceding December 31; for the spring semester, the preceding July 31.

A student whose undergraduate degree is not in electrical engineering may need to take appropriate undergraduate courses to establish a baseline of knowledge in the discipline.

Electrical Engineering (PhD) ESEEPHD

IRA A. FULTON SCHOOL OF ENGINEERING, TEMPE

Contact: <http://ee.fulton.asu.edu> | askee@asu.edu | ERC 552 | 4809653424 | 5706

Official Degree Awarded: Electrical Engineering (PhD)

Program Description: The PhD degree in Electrical Engineering is awarded upon evidence of excellence in research leading to a scholarly dissertation that is a contribution to knowledge. Graduate courses and programs are offered in the following six areas of specialization:

- Control systems
- Electromagnetics, antennas and microwave circuits
- Electronic and mixed-signal circuit design
- Electric power and energy systems
- Signal processing and communications systems
- Solid-state electronics

Program Requirements: PhD students are required to complete 84 semester hours of academic credit beyond the bachelor's degree. The following summarizes the degree course requirements:

- Master's degree: 30 hours, from any accredited institution
- 500 Level or above: 18 hours, at least nine from EE
- Research or Omnibus: 12 hours, can be 400 level and above
- Research: 12 hours
- Dissertation: 12 hours

The 84 hours include 30 semester hours for the master's degree, a required 18 semester hours of PhD class work, 12 hours of research (EEE 792), and 12 hours (and only 12 hours) of dissertation (EEE 799).

The additional 12 hours can be more hours of research (EEE792) or can be class work as determined by the supervisory committee. At least half (nine hours) of the minimum requirement of 18 semester hours of PhD course work must be in Electrical Engineering. Reading and Conference (EEE 790) can be used for no more than three semester hours toward the required 18, but does not count towards the nine hours of 500-level EE classes required.

All courses counting toward the required 18 hour minimum must be at the 500-level or higher. (Note that all courses having the prefix EEE 591 count as 400-level courses) No more than one three-hour Reading and Conference (EEE 790) course can be taken as part of the 18 hour requirement. The content of any proposed Reading and Conference course must be reviewed and approved by the director of graduate studies before registering for the course.

A qualifying examination, a comprehensive exam, and the dissertation defense are required. Additional information on the program and can be found in the Blue Student Guide published by the department and is available on the department 's web page at: <http://ee.fulton.asu.edu>.

Admission Requirements: In general, a student must have a least a 3.0 grade point average (out of 4.0) in all undergraduate course work and at least a 3.5 grade point average in all graduate course work for admission to the PhD program. A student must usually hold a master's degree before being admitted to the PhD program. Direct PhD admission is available for students graduating from an ABET-accredited electrical engineering program with a GPA of 3.6 or higher.

A student whose master's degree is not from a U.S. institution must provide a score of at least 720 on the quantitative portion of the GRE. A score of 4.0 or better on the writing portion is considered desirable. In addition, an applicant whose native language is not English must demonstrate proficiency in the English language by scoring at least 550 on the written Test of English as a Foreign Language (TOEFL), 213 on the computer-based TOEFL (CBT), or 83 on the Internet-based TOEFL (iBT). International students seeking teaching assistantships must demonstrate proficiency in spoken English by scoring at least 24 on the speaking portion of the iBT or 50 on the ASU administered SPEAK Test.

The admissions deadline for the fall semester is the preceding December 31; for the spring semester, the preceding July 31.

Electrical Engineering - Art, Media and Engineering (MS) ESAMEMS

IRA A. FULTON SCHOOL OF ENGINEERING, TEMPE

Contact: <http://ee.fulton.asu.edu> | askee@asu.edu | ERC 552 | 4809653424 | 5706

Official Degree Awarded: Electrical Engineering (Arts, Media and Engineering) (MS)

Program Description: The Department of Electrical Engineering at Arizona State University in collaboration with the Herberger College of the Arts (HCA) has established a concentration in Arts, Media and Engineering. This concentration is available both for the MS and the PhD. Students admitted in this program take two-thirds of their course, research and thesis credits from the Department of Electrical Engineering and one-third of the credits from the Arts, Media and Engineering program.

The Arts, Media and Engineering program (AME) represents an ambitious interdisciplinary research community at ASU that is focused on the parallel development of media hardware, software, content and theory. The AME is a joint effort of the Herberger College of the Arts (HFA) and of the Ira A. Fulton School of Engineering. AME research addresses the discontinuity that exists between media content and media technologies through a paradigm shift in media and arts training. The objective is to produce a new kind of hybrid graduate student who draws creativity from the arts and methodology from engineering sciences. AME trains students to integrate principles of digital signal processing and multimedia computing with artistic ideas and objectives, with the goal of enabling new paradigms of human-machine experience that directly address societal needs and facilitates knowledge. For more information, access <http://ame.asu.edu>.

Program Requirements: The MS in Electrical Engineering with a concentration in AME requires 30 credit hours and a thesis. Eight courses are required, typically five from EEE and three from AME. In addition, six hours of thesis are required, typically four credits from EEE and two from AME.

Admission Requirements: Students interested in applying to this program must submit the Graduate College online application. Students from ABET-accredited undergraduate programs who wish to be considered for a master's program must have a minimum GPA of 3.0 (on a four-point scale) in the last two years of undergraduate course work. Students from undergraduate programs that are not accredited by ABET must have a minimum GPA of 3.5 (on a four-point scale) in the last two years of undergraduate course work or have graduated first class with distinction and must score in the 90th percentile or higher on the quantitative section of the GRE general test.

In addition, an applicant whose native language is not English must demonstrate proficiency in the English language by scoring at least 550 on the written Test of English as a Foreign Language (TOEFL), 213 on the computer-based TOEFL (CBT), or 83 on the Internet-based TOEFL (iBT). International students seeking teaching assistantships must demonstrate proficiency in spoken English by scoring at least 24 on the speaking portion of the iBT or 50 on the ASU administered SPEAK Test. Applicants should submit materials that reflect the hybrid nature of the arts/engineering degree.

Electrical Engineering - Art, Media and Engineering (PhD) ESAMEPHD

IRA A. FULTON SCHOOL OF ENGINEERING, TEMPE

Contact: <http://ee.fulton.asu.edu> | askee@asu.edu | ERC 552 | 4809653424 | 5706

Official Degree Awarded: Electrical Engineering (Arts, Media and Engineering) (PhD)

Program Description: The Department of Electrical Engineering at Arizona State University in collaboration with the Herberger College of the Arts (HCA) has established a concentration in Arts, Media and Engineering. This concentration is available both for the MS and the PhD. Students admitted in this program take two-thirds of their course, research and thesis credits from the Department of Electrical Engineering and one-third of the credits from the Arts, Media and Engineering program.

The Arts, Media and Engineering program (AME) represents an ambitious interdisciplinary research community at ASU that is focused on the parallel development of media hardware, software, content and theory. The AME is a joint effort of the Herberger College of the Arts (HFA) and of the Ira A. Fulton School of Engineering. AME research addresses the discontinuity that exists between media content and media technologies through a paradigm shift in media and arts training. The objective is to produce a new kind of hybrid graduate student who draws creativity from the arts and methodology from engineering sciences. AME trains students to integrate principles of digital signal processing and multimedia computing with artistic ideas and objectives, with the goal of enabling new paradigms of human-machine experience that directly address societal needs and facilitates knowledge. For more information, access <http://ame.asu.edu>.

Program Requirements: The PhD in Electrical Engineering with a concentration in AME requires 84 credit hours, a dissertation, and written and oral comprehensive examinations. Ten courses are required, typically seven from EEE and three from AME. Twelve hours of research are required, typically eight credits from EEE and four from AME. In addition, twelve hours of thesis are required, typically eight credits from EEE and four from AME. A qualifying examination, a comprehensive examination, and the dissertation defense are required.

Admission Requirements: Applicants with a master's degree who wish to be considered for the PhD program must have a minimum GPA of 3.5 (on a four-point scale) in their master's program. Students interested in applying to this program should submit the Graduate College online application. Applicants without a master's degree must have a minimum GPA of 3.6 (on a four-point scale) in the last two years of undergraduate course work and have graduated from an ABET-accredited undergraduate program.

In addition, an applicant whose native language is not English must demonstrate proficiency in the English language by scoring at least 550 on the written Test of English as a Foreign Language (TOEFL), 213 on the computer-based TOEFL (CBT), or 83 on the Internet-based TOEFL (iBT). International students seeking teaching assistantships must demonstrate proficiency in spoken English by scoring at least 24 on the speaking portion of the iBT or 50 on the ASU administered SPEAK Test. Applicants should submit materials that reflect the hybrid nature of the arts/engineering degree.

Engineering Science (Enterprise Systems Innovation and Management) (MSE) ESIEEMSE

IRA A. FULTON SCHOOL OF ENGINEERING, TEMPE

Contact: <http://cpd.asu.edu> | asu.cpd@asu.edu | BYENG 310 | 480/965-1740 | 4411

Official Degree Awarded: Engineering Science (Enterprise Systems Innovation and Management) (MSE)

Program Description: The ASU Ira A. Fulton School of Engineering offers the Enterprise Systems Innovation and Management (ESIM) concentration providing enterprise and technology managers a wide range of analytical and strategic methods in enterprise systems, innovation, and management. The core focus of the program includes enterprise product/service (offering) innovation, process innovation and strategy innovation within the enterprise. In addition to Enterprise management, asset, design and business model innovation.

The Enterprise Systems Innovation and Management program (http://asuengineeringonline.com/online/?page=online_mse_esim) allows professionals the opportunity to enhance their leadership abilities, analytical thinking, and bring value to their organization and professional advancement. In today's global environment, business execution is becoming increasingly competitive. Managing resources, products, and customers across the globe magnifies the organizational challenges and requires more sophisticated systems, tactical thinking, and advanced methods of measuring, analyzing, and controlling performance. Managers must understand the underlying issues across the enterprise to impact and create business value.

Program Requirements:

1. Students must complete a total of 30 semester hours equaling 10 courses to earn a Masters of Science in Engineering degree
2. Students must complete a three-credit hour applied project (CSE 593), three credits of applied engineering mathematics, three credits of engineering management/business
3. A culminating event is required and will be identified by the student's advisory committee. It could be a final examination or the final report for a practice-oriented project (Applied Project). Additional requirements may exist for some academic units.

Admission Requirements:

1. Applicants must submit the Graduate College online application,
2. The MSE in Engineering Science with the concentration in Enterprise Systems Innovation and Management requires an undergraduate grade point average of 3.00 on a 4.00 scale for the last 60 undergraduate credit hours,
3. The schools attended and major of study completed are also significant factors in admission; an example of undergraduate degrees of applicants might include, but not limited to the following: BS in Business, BS in Mathematics, BS in Engineering,
4. Completion of a basic statistics course and calculus course is required for admission; a prerequisite course in industrial statistics and tools might be required for some students not meeting this requirement,
5. GRE is not required,
6. Applicants from a country whose native language is not English must provide evidence of English proficiency according to the guidelines defined by the ASU Graduate College.

Engineering Science (Software Engineering) (MSE) ESIEEMSE

IRA A. FULTON SCHOOL OF ENGINEERING, ONLINE

Contact: <http://cpd.asu.edu> | asu.cpd@asu.edu | BYENG 310 | 480/965-1740 | 4411

Official Degree Awarded: Engineering Science (Enterprise Systems Innovation and Management) (MSE)

Program Description: The MSE in Engineering Science with a software engineering concentration offers specialized courses founded on the fundamentals and principles of software engineering. The program provides the knowledge and skills needed to work as a software engineer or software task leader on both large and small projects using either agile methodologies or formal CMMi approaches. The program addresses major software development methodologies, techniques, tools and processes for both developing and managing software projects. The curriculum is based on the Software Engineering Body of Knowledge

(SWEBOOK) under the leadership of the IEEE Computer Society. Each course will place an emphasis on applied assignments and projects that are relative to the student's work place.

Program Requirements:

1. Students must complete a total of 30 credit hours equaling 10 courses to earn a Masters of Science in Engineering degree.
2. Students must complete a three-credit hour applied project (CSE 593), three credits of applied engineering mathematics, three credits of engineering management/business.
3. A culminating event is required and will be identified by the student's advisory committee. It could be a final examination or the final report for a practice-oriented project (Applied Project). Additional requirements may exist for some academic units.

Admission Requirements:

1. Applicants must submit the Graduate College online application,
2. Bachelor of Science in Computer or Electrical Engineering or a related field,
3. Grade point average of 3.00 (on a 4.00 scale) in the last 60 units of the undergraduate transcript (or for the last 12 units of the post-baccalaureate transcript),
4. GRE is not required,
5. Applicants from a country whose native language is not English must provide evidence of English proficiency according to the guidelines defined by the ASU Graduate College.

Industrial Engineering (MSE) ESINDENMSE

IRA A. FULTON SCHOOL OF ENGINEERING, ONLINE

Contact: <http://ie.fulton.asu.edu/> | ie@asu.edu | GWC 502 | 480/965-3424 | 5906

Official Degree Awarded: Industrial Engineering (MSE)

Program Description: The faculty in the Ira A. Fulton School of Engineering offers a professional program leading to the Master of Science in Engineering (MSE) degree with a major in Industrial Engineering. The program is designed to bridge the gap between knowledge of engineering sciences and creative engineering practice while at the same time increasing the depth and breadth of knowledge in selected areas of emphasis. The program of course work applicable to the degree is potentially unique for each student, although it must conform to the general guidelines for subject matter content for the degree.

Program Requirements: The 30 credit hours program requires four core courses, four area courses, two electives, and a written comprehensive examination.

Four core courses:

IEE 505
IEE 545, 566, or 567
IEE 572 or 578
IEE 574 or 575
Four area courses
Two elective courses

A final comprehensive examination on three of the four core courses is required. A student who maintains a 3.75 grade point average on the four core courses is exempt from the written comprehensive examination.

Admission Requirements: For full consideration a complete application is required by the specified deadline. Check the department's Web site for more information (<http://ie.fulton.asu.edu>).

Application to the Graduate College
Statement of purpose
Three letters of recommendations
General Graduate Record Examination (GRE)

Submit all application materials to the Graduate College, PO BOX 871003, Tempe, AZ 85287-1003.

At the time of the application review, the following prerequisite courses will be evaluated in the student's transcripts to see if the student has met the minimum admission requirements.

ASU course numbers:

CSE 110: Principles of Programming with Java
CSE 205: Concepts of Computer Science and Data Structures
IEE 380: Probability and Statistics for Engineering Problem Solving
IEE 385: Engineering Statistics with Probability
IEE 376: Operations Research Deterministic Techniques/Applications
MAT 242: Linear Algebra

Additionally, at the time of application, all students must have completed 12 credit hours of calculus mathematics.

Industrial Engineering (PhD) ESINDENPHD

IRA A. FULTON SCHOOL OF ENGINEERING, TEMPE

Contact: <http://ie.fulton.asu.edu> | ie@asu.edu | GWC 502 | 4809656874 | 5906

Official Degree Awarded: Industrial Engineering (PhD)

Program Description: The faculty in the Department of Industrial Engineering offer a PhD degree in Industrial Engineering. The overall educational objective of graduate study in industrial engineering is to improve each student's ability to understand, analyze, resolve problems and perform original research within complex organizations. Industrial engineers must develop qualitative and quantitative abilities to guide the design and operation of complete organizations.

The faculty in the Department of Industrial Engineering are internationally recognized for their innovative research projects funded through both the government and industry.

Program Requirements: The Doctor of Philosophy degree requires a minimum of 85 credit hours after the baccalaureate degree.

1. A minimum of 57 credit hours of graduate coursework
2. 12 credit hours of IEE 792: Research
3. 12 credit hours of IEE 799: Thesis
4. One credit hour of IEE 594: Conference and Workshop
5. One credit hour of IEE 700: Research Methods
6. One credit hour of IEE 784 :Teaching Internship
7. One credit hour of either IEE 790: Independent Study or IEE 584: Internship

As part of the degree requirements, students are required to successfully pass the qualifying examination after one year on the core courses outlined by the department at the start of the program.

A written and an oral comprehensive examination is required on or before completion of the 57 credit hours of coursework in the program of study. The candidate must also successfully pass the dissertation prospectus and the dissertation oral defense.

Admission Requirements: For full consideration a complete application is required by the specified deadline. Check the department's Web site.

1. Application to the Graduate College

2. Statement of purpose
3. Three letters of recommendation
4. General Graduate Record Examination (GRE)

Submit all application materials online to the Graduate College at <http://graduate.asu.edu/>.

At the time of the application review, the following prerequisite courses will be evaluated in the student's transcripts to see if the student has met the minimum admission requirements.

ASU course numbers:

CSE 110 : Principles of Programming with Java

CSE 205 : Concepts of Computer Science and Data Structures

IEE 380 : Probability and Statistics for Engineering Problem Solving

IEE 385 : Engineering Statistics with Probability

IEE 376 : Operations Research Deterministic Techniques/Applications

MAT 242 : Linear Algebra Additionally, at the time of application, all students must have completed 12 credit hours of calculus mathematics.

Master of Engineering (MEng) ESENGRMENG

IRA A. FULTON SCHOOL OF ENGINEERING, TEMPE

Contact: <http://www.asuengineeringonline.com> | asu.cpd@asu.edu | BY 310 | 4809651740 | 4411

Official Degree Awarded: Engineering (MEng)

Program Description: When pursuing a Master of Engineering (MEng) degree, students can customize their learning experience by selecting a curriculum that addresses their academic and professional goals. The Master of Engineering degree is designed for working professionals and delivered entirely online to meet the unique needs of professional engineers. The Master of Engineering is a practice-oriented degree.

In the MEng program, multiple emphasis areas are available with additional areas under development. Within each area there are specific course requirements in addition to the general program requirements. Students can select a traditional area of study such as electrical and mechanical engineering or one of the nontraditional areas of study such as embedded systems, modeling and simulation, software engineering, quality and reliability, systems engineering, semiconductor processing and manufacturing and microelectronics packaging.

Engineers who enter the Master of Engineering program have the opportunity to gain valuable experience applicable to their industry while gaining an advanced degree. Convenience and flexibility are key advantages of this program. The Master of Engineering degree, which can be earned totally through distance learning delivery, is a 30-credit-hour degree program that does not require GRE results, a thesis, or on-campus attendance.

Program Requirements: Students must complete a total of 30 credit hours equaling 10 courses to earn a Masters of Engineering degree. One half of all coursework, excluding the practice-oriented project, must be in engineering.

A culminating event is required and will be identified by the student's advisory committee. It could be a final written or oral examination or the final report for a practice-oriented project. Additional requirements may exist for some academic units and emphasis areas for the Masters of Engineering program.

Admission Requirements: Students interested in this program must submit the Graduate College online application.

1. Bachelor's degree with a background for the desired field of study,
2. A minimum GPA of 3.0 on a 4.0 scale for the last 60 units of the undergraduate transcript,
3. Graduates of non-U.S. institutions will have to satisfy admission requirements established by the ASU Graduate College,
4. GRE is not required.

Materials Science and Engineering (MS) ESMATEMS

IRA A. FULTON SCHOOL OF ENGINEERING, TEMPE

Contact: <http://som.asu.edu> | som-grad@asu.edu | ECG 303 | 480/727-9314 | 8706

Official Degree Awarded: Materials Science and Engineering (MS)

Program Description: The School of Materials offers a Master of Science (MS) degree in Materials Science and Engineering. This includes a thesis. This graduate program prepares students for professional careers in materials science and engineering and related fields in industry, government and educational institutions.

Program Requirements: A total of 32 semester hours are required for the Master of Science Degree (MS) in Materials Science and Engineering, as detailed below. This degree includes a thesis.

Core Courses (six semester hours): Students must take six semester hours of core courses selected from the list below. Note that the choice 4b,c requires both PHY 511 and 512 but only the latter may be counted as a technical elective. This selection is most appropriate for students who have some background in modern physics.

1. MSE 522 Structure and Mechanical Properties (3)
2. MSE 523 Advanced Thermodynamics (3)
3. MSE 524 Kinetics and Phase Transformations in Solids (3)
- 4a. MSE 525 Physics of Materials (3) or
- 4b,c. MSE 526, 527 Materials Physics I and II (PHY 511, 512) (6)

Technical Electives (18 semester hours). Students must take 18 semester hours of technical electives, with the following conditions:

1. Either IEE 570 (Advanced Quality Control) or IEE 572 (Design of Experiments) are highly recommended.
2. Up to six semester hours may be at the 400 or higher level.
3. Up to nine semester hours may be outside MSE, by approval.
4. Up to three semester hours of reading and conference may be taken in place of three semester-hour electives.

Seminar

Students must take two semester hours of seminar (MSE 591), which is one semester hour per semester.

Thesis

Students must take six semester hours thesis (MSE 599), complete a thesis and pass the thesis defense examination.

Preparatory Courses

Students who do not have a background in materials science and engineering may have to take prerequisite or deficiency courses. Students should contact the graduate advisor to discuss any deficiencies.

Faculty Supervisory Committee

Students select a supervisory committee consisting of three members from the roster of graduate faculty in the School of Materials, which includes both core and affiliate faculty. The majority of members should be full time faculty in the School of Materials. The committee may include research scientists, academic and industrial professionals and other non-ASU affiliated individuals, subject to approval by the school director and the Graduate College.

Program of Study (iPOS)

The interactive program of study (iPOS) is an online form that all graduate study must submit. The form lists the course work taken and the course work to be taken to complete the credit and course requirements for the degree. When the program of study is filed, the Graduate College approves the faculty supervisory committee. A student is not eligible to apply for graduation until the iPOS has been approved by the Graduate College.

Thesis

The master's thesis must be based on original and independent research conducted by the student, under the guidance of the graduate supervisory committee. The thesis should demonstrate the candidate's ability to address a major intellectual problem and to propose meaningful questions and hypotheses. The oral defense engages the supervisory committee and the candidate in a critical, analytical discussion of the research and findings of the study as well as a review of the relation of the thesis to the materials field. MS thesis defenses are open to all members of the university community. Announcements are sent to department faculty and students and the announcement is also printed in university newspapers.

Graduation

The student is eligible for graduation when all course work is finished, the thesis has been approved and the defense has been passed and the Graduate College requirements for graduation have been met and the thesis is submitted to the ASU Bookstore for binding.

Maximum Time Limit

All work offered toward the MS degree must be completed within six consecutive years. The six years begins with the first course included on the student's approved program of study. The six year maximum time limit applies to all semester credit hours appearing on the program of study, including nondegree and transfer credits.

More Information (<http://som.asu.edu/>)

Admission Requirements: Application requirements, procedures and deadlines are outlined in the School of Materials Web site at <http://som.asu.edu>. Admission to the School of Materials graduate programs is highly competitive. The program cannot determine an applicant's chances of admission in advance. All application materials must be submitted and once the application file is complete, it is then forwarded to the graduate admissions committee for evaluation and recommendation.

Recommendations are sent to the Graduate College, where they are subject to final review. The Graduate College will send the applicant a formal letter of acceptance or denial. The application deadline for the fall semester is February 1; for spring semester, October 1.

In summary, applicants must submit the following application materials:

- submit the online application (<http://graduate.asu.edu/admissions/index.html>)
- pay the applicable application fees
- submit official transcripts
- submit a GRE score
- international students must submit a Test of English as a Foreign Language (TOEFL) score
- supplemental application
- resume
- statement of purpose
- three letters of recommendation

Financial aid is available to highly qualified applicants. The most common type of financial aid is teaching and research assistantships. RAs/TAs are accompanied by waivers of tuition and major Medical insurance benefit. Other types of financial aid include Fulton School of Engineering Fellowships and Science Foundation Arizona fellowships.

Materials Science and Engineering (MSE) ESMATEMSE

IRA A. FULTON SCHOOL OF ENGINEERING, ONLINE

Contact: <http://som.asu.edu> | som-grad@asu.edu | ECG 303 | 480/727-9314 | 8706

Official Degree Awarded: Materials Science and Engineering (MSE)

Program Description: The School of Materials offers a Master of Science in Engineering (MSE) degree in Materials Science and Engineering at ASU. This degree does not require a thesis. The degree is intended for students who are working full-time in local industry. Many of the courses are offered online. Three options are available: General or concentration in semiconductor

processing and packaging (SPP) with the processing or the packaging track. Courses for the SPP concentrations are available entirely online.

Program Requirements: A total of 32 semester hours are required for the Master of Science in Engineering Degree (MSE) in Materials Science and Engineering. Students must take 30 semester hours of technical electives, with the following conditions:

1. Either IEE 570 (Advanced Quality Control) or IEE 572 (Design of Experiments) are highly recommended.
2. Up to six semester hours may be at the 400 or higher level.
3. Up to nine semester hours may be outside MSE, by approval.
4. Up to six semester hours of reading and conference may be taken in place of six semester-hour of electives.

Seminar (two semester hours): Students must take two semester hours of seminar (MSE 591), which is one semester-hour of credit per semester.

Preparatory Courses

Students who do not have a background in materials science and engineering may have to take prerequisite or deficiency courses. Students should contact the graduate advisor to discuss any deficiencies.

Financial Aid

Financial aid is not available for MSE students.

Faculty Supervisory Committee

Students select a supervisory committee consisting of three members from the roster of graduate faculty in the School of Materials, which includes both core and affiliate faculty. The majority of members should be full-time faculty in the School of Materials. The committee may include research scientists, academic and industrial professionals and other non-ASU affiliated individuals, subject to approval by the school director and the Graduate College.

Program of Study (iPOS)

The interactive program of study (iPOS) is an online form that all graduate study must submit. The form lists the course work taken and the course work to be taken to complete the credit and course requirements for the degree. When the program of study is filed, the Graduate College approves the faculty supervisory committee. A student is not eligible to apply for graduation until the iPOS has been approved by the Graduate College.

Culminating Event

In lieu of a thesis, students will complete a report (15 to 20 pages with figures and references) on a topic of their choice, which must be approved by the advisory committee. At the conclusion of the report, the student will make an oral presentation on the topic to his/her committee.

Graduation

The student is eligible for graduation when all course work is finished, the thesis has been approved and the defense has been passed and the Graduate College requirements for graduation have been met and the thesis is submitted to the ASU Bookstore for binding.

Admission Requirements: Application requirements, procedures and deadlines are outlined in the School of Materials Web site at <http://som.asu.edu>. Admission to the School of Materials graduate programs is highly competitive. The program cannot determine an applicant's chances of admission in advance. All application materials must be submitted and once the application file is complete, it is then forwarded to the Graduate Admissions Committee for evaluation and recommendation. Recommendations are sent to the Graduate College, where they are subject to final review. The Graduate College will send the applicant a formal letter of acceptance or denial. The application deadline for the fall semester is February 1; spring semester, October 1.

Summary steps for application:

1. submit online application (<http://graduate.asu.edu/admissions/index.html>)
2. pay the applicable application fees

3. submit official transcripts
4. submit a GRE score
5. international students must submit a Test of English as a Foreign Language (TOEFL) score
6. supplemental application
7. resume
8. statement of purpose
9. three letters of recommendation

Materials Science and Engineering (PhD) ESENMATPHD

IRA A. FULTON SCHOOL OF ENGINEERING, TEMPE

Contact: <http://som.asu.edu> | som-grad@asu.edu | ECG 303 | 480/727-9314 | 8706

Official Degree Awarded: PHD Materials Science and Engineering

Program Description: The School of Materials offers a Doctor of Philosophy (PhD) in Materials Science and Engineering at Arizona State University. This graduate program prepares students for professional careers in materials science and engineering and related field in industry, government and educational institutions.

Program Requirements: 1. Credit Requirements

The PhD degree in Materials Science and Engineering consists of 84 semester hours of graduate work. A total of ten lecture courses (30 credits) plus three credits of seminar are required. Students entering the program with a master's degree in materials science may apply up to 30 credits toward the PhD program of study, but must take five lecture courses at ASU. If the MS has not been completed, a maximum of 12 semester hours of graduate work may be applied.

2. Required Courses

The core courses are shown below. These courses contain the foundation knowledge in the discipline of materials science that will prepare students for further graduate study in specialized areas, represented elective courses. The four lecture courses should be completed in the first 2 semesters of the program, in preparation for the qualifying examination.

Any core course may be waived by petition to the graduate program committee, with evidence of an equivalent course at another accredited university with a grade of B+ or better. The student must provide proof in the form of transcripts and a syllabus of that course. A petition should be submitted to the Associate Director of the Graduate Program who reviews requests for waivers or substitutions of the core courses. Students are expected to demonstrate a working knowledge of this material in the qualifying exam.

MSE 598 Advanced Thermodynamics (3 credits)
MSE 598 Structure and Mechanical Properties (3 credits)
MSE 598 Kinetics and Phase Transformations in Solids (3 credits)
MSE 598 Physics of Materials or PHY 511 Materials Physics I and PHY 512 Materials Physics II (3 credits)
SEM 591 Graduate Student Seminar (3 credits)
Total Core Credits: 15

3. Electives

Graduate elective courses may be selected from any of the courses in the School of Materials (MSE prefix) as well as courses from related disciplines such as chemistry, physics, electrical engineering, etc, subject to approval by the faculty supervisory committee. These courses should comprise a focused program of study in a particular area of materials science, organized in consultation with a faculty advisor. A current list of course offerings may be found on the School of Materials web site at <http://som.asu.edu>.

4. Interactive Program of Study (iPOS)

The interactive program of study is an online document where the student lists the courses he/she has taken and the courses he/she will take to complete the 84 credits required for the degree, which would include research and dissertation credits. The

student should file the Interactive Program of Study (iPOS) after he/she has completed the coursework portion of the degree. The iPOS can be accessed through ASU interactive at <http://www.asu.edu/interactive>.

5. Faculty Supervisory Committee

Students select a supervisory committee consisting of three to five members from the roster of Graduate Faculty in the School of Materials, which includes both core and affiliate faculty. The majority of members should be full time faculty in the School of Materials. The committee may include research scientists, academic and industrial professionals and other non-ASU affiliated individuals, subject to approval by the School Director and the Graduate College.

6. Qualifying Examination

All students in the PhD program must pass a qualifying examination. A single repeat attempt is allowed. This exam should be taken at the beginning of the 3rd semester, immediately following completion of the four core courses. The format is a 90 minute oral examination covering the material in the four core courses.

7. Comprehensive Examination and Dissertation Prospectus

All students in the PhD program must pass a comprehensive examination, which should be done within two semesters of passing the qualifier exam. This exam consists of a 20-page report on the topic of the expected thesis subject, which is presented orally to the student's advisory committee. A detailed description of policy and procedures is given in the student handbook. This comprises also the dissertation prospectus.

8. Dissertation Credits

PhD students must take 12 dissertation credits (and only 12) to complete the PhD program of study. Dissertation credits should be taken once the student begins research on a dissertation topic under the guidance of a faculty mentor.

9. The Dissertation

The PhD dissertation is based on original and independent research conducted by the student, under the guidance of the faculty mentor and faculty advisory committee. The dissertation should demonstrate the candidate's mastery of research methods, theory and tools of the discipline. The dissertation should demonstrate the candidate's ability to address a major intellectual problem and to propose meaningful questions and hypothesis. A copy of the dissertation is given to the department and a copy is placed in the ASU library.

Admission Requirements: Specific requirements and procedures for application to the School of Materials graduate programs can be found on the School of Materials Web site at <http://som.asu.edu>.

In summary, applicants must submit the following application materials:

1. submit the Graduate College online application,
2. pay the applicable application fees,
3. submit official transcripts,
4. submit a GRE score,
5. international students must submit a Test of English as a Foreign Language (TOEFL) score,
6. supplemental application,
7. resume,
8. statement of purpose,
9. three letters of recommendation.

Once the application file is complete, the file is forwarded to the Faculty Admissions Committee for evaluation and recommendation. Financial aid is available to highly qualified students. The most common type of financial aid is teaching and research assistantships. RAs/TAs are accompanied by waivers of tuition and major Medical insurance benefit. Other types of financial aid include Fulton School Fellowships and Science Foundation Arizona fellowships.

Mechanical Engineering (MS) ESMEMS

IRA A. FULTON SCHOOL OF ENGINEERING, TEMPE

Contact: <http://mae.fulton.asu.edu> | mae@asu.edu | ECG 346 | 480/965-3291 | 6106

Official Degree Awarded: Mechanical Engineering (MS)

Program Description: The faculty in the Department of Mechanical and Aerospace Engineering (MAE) offer a graduate program leading to the Master of Science (MS) degree in Mechanical Engineering. A number of wide and diverse research areas may be pursued. All of the department's graduate programs stress a sound foundation leading to a specialized area of study. Additional information can be found in the MAE Guidelines <http://mae.fulton.asu.edu/graduate/graduate-studies>.

Program Requirements: All candidates for the MS degree program are required to complete 30 semester hours and a thesis. Additional courses may be assigned by the supervisory committee depending on the background of the candidate.

The MS is the department's research master's degree.

The student is encouraged to select an advisor as soon as possible but in no case later than the middle of the first semester in residence. The name of the student's advisor must be filed with the department office. A change of advisor requires approval of the department chair.

The advisor, in consultation with the student, will establish a Master of Science Program Committee (MSPC). The MSPC shall be composed of a minimum of three members with at least two being from MAE. Participation of individuals from institutions external to ASU is encouraged but these shall be nonvoting members. The advisor shall serve as the chair of the MSPC.

As soon as possible, but no later than the end of the student's first semester of residence, the student in consultation with the MSPC, must file a program of study (POS) with the department. The MSPC and the MAE chair must approve changes to the POS.

The POS must be in accordance with Graduate College and MAE requirements. The student is required to write and defend a thesis that describes an original contribution within the chosen discipline. The candidate must complete at least 30 semester hours of courses and thesis work distributed as follows:

1. at least 12 credit hours course work in the candidates major area of interest,
2. At least six credit hours of upper-division mathematics, as defined in the MAE Guidelines at <http://mae.fulton.asu.edu/graduate/graduate-studies>,
3. At least six credit hours of other graduate level course work outside the candidates major area of interest; these must be restricted to mathematics, engineering and/or science,
4. At least six credit hours of MAE 599 Thesis.

In accordance with MAE academic standards, students are required to maintain a 3.0 cumulative grade point average.

Admission Requirements: Student interested in applying to this program must submit the Graduate College online application. A minimum grade point average of 3.00 (on a 4.00 scale) is required for graduates from accredited U.S. institutions. The Graduate College is responsible for international grade point average interpretation.

All applicants are required to take the Graduate Record Examination (GRE).

Students who do not have English as their primary language are required to achieve a minimum score of 213 on the TOEFL examination.

Three letters of recommendation are required, using the format specified by the Department of Mechanical and Aerospace Engineering.

All applicants are required to submit a statement of academic and career objectives and address the desire to pursue graduate studies at ASU in mechanical engineering.

Mechanical Engineering (MSE) ESMEMSE

IRA A. FULTON SCHOOL OF ENGINEERING, TEMPE

Contact: <http://mae.fulton.asu.edu> | mae@asu.edu | ECG 346 | 480/965-3291 | 6106

Official Degree Awarded: Mechanical Engineering (MSE)

Program Description: The faculty in the Department of Mechanical and Aerospace Engineering (MAE) offer a graduate program leading to the Master of Science in Engineering (MSE) degree in Mechanical Engineering. A number of wide and diverse research areas may be pursued. All of the department's graduate programs stress a sound foundation leading to a specialized area of study. Additional information can be found in the MAE Guidelines at <http://mae.fulton.asu.edu/graduate/graduate-studies>.

Program Requirements: All candidates for the MSE degree program are required to complete 30 semester hours and an applied project. Additional courses may be assigned by the supervisory committee depending on the background of the candidate.

The MSE is the Department's professional degree; it is a nonthesis degree.

The student is encouraged to select an advisor as soon as possible but in no case later than the middle of the first semester in residence. The name of the student's advisor must be filed with the department office. A change of advisor requires approval of the department chair.

The advisor, in consultation with the student, will establish a Master of Science in Engineering Program Committee (MSEPC). The MSEPC shall be composed of a minimum of three members with at least two being from MAE. Participation of individuals from institutions external to ASU is encouraged but these shall be nonvoting members. The advisor shall serve as the chair of the MSEPC.

As soon as possible, but no later than the end of the student's first semester of residence, the student in consultation with the MSEPC, must file a program of study (POS) with the department. The MSEPC and the MAE chair must approve changes to the POS.

The POS must be in accordance with Graduate College and MAE requirements. The candidate must complete at least 30 semester hours of courses distributed as follows:

1. At least 15 credit hours course work in the candidate's major area of interest
2. At least six credit hours of upper-division mathematics, as defined in the MAE Guidelines <http://mae.fulton.asu.edu/graduate/graduate-studies>.
3. At least nine credit hours of other graduate level course work outside the candidate's major area of interest; these must be restricted to mathematics, engineering and/or science.

In accordance with MAE academic standards, students are required to maintain a 3.00 cumulative GPA.

Admission Requirements: Applicants are expected to satisfy all requirements for admission to the Graduate College. Entry into this program normally requires a bachelor's degree with a major in engineering or in a closely related bachelor's degree program

Deficiencies for admission to the graduate degree programs are specified at the time of admission. The verbal, quantitative, and written components of the Graduate Record Examination (GRE) are not required unless specified by the respective academic unit in which the major is offered. TOEFL scores must be submitted by international applicants before admission is considered. Applicants with TOEFL scores of 550 (213 on the computer-based examination) or higher may be regularly admitted without requiring further language study. Applicants with scores below 550 may be regularly admitted but must complete study in ASU's American English and Culture Program (AECPP) before enrolling in course work in the academic program.

Mechanical Engineering (PhD) ESMEPHD

IRA A. FULTON SCHOOL OF ENGINEERING, TEMPE

Contact: <http://mae.fulton.asu.edu> | mae@asu.edu | ECG 346 | 480/965-3291 | 6106

Official Degree Awarded: Mechanical Engineering (PhD)

Program Description: The graduate programs in Mechanical and Aerospace Engineering (MAE) accommodate individual interests, and encourage independent and innovative study. Students are part of a diverse intellectual community dedicated to advancing the state of the art and practice of aerospace and mechanical engineering. All graduate programs stress a sound foundation in technical fundamentals, communication and professionalism. The doctoral program emphasizes original research and provides students with a strong background for employment by academic institutions government laboratories and industrial research laboratories. Additional information can be found in the MAE Guidelines <http://mae.fulton.asu.edu/graduate/graduate-studies>.

Program Requirements: The program of study should be submitted as early as possible and must have the approval of the student's program committee (PC), MAE chair, and the dean of the Graduate College. All candidates for the PhD degree program are required to complete 84 semester hours.

Students may not apply credit hours earned for a doctoral degree previously awarded at ASU or another institution toward their current ASU doctoral degree. However, at the discretion of the PC and MAE chair, students may apply up to 30 semester hours from a previously awarded master's degree toward their doctoral program of study.

The PhD degree is directed toward original research. The student is required to write and defend a dissertation that describes an original contribution within the chosen discipline. The research results should be suitable for publication in the archival literature. The department currently offers majors in Aerospace Engineering and Mechanical Engineering.

University regulations note the possibility of having two separate supervisory committees, a Program Committee and a Dissertation Committee. In MAE these will normally be one and the same and will be designated as the PC.

The PC shall consist of at least five ASU faculty with the majority being from MAE, but at least one being from outside the department. Furthermore, the PC should have the following character:

1. advisor (PC chair); must be a member of the MAE graduate faculty with an endorsement to chair,
2. two or three additional faculty in the student's general area of research,
3. at least one faculty outside the student's general area of research (e.g., mathematics, physics or other engineering disciplines).

A change in the PC requires approval of the department chair.

The POS must be in accordance with Graduate College and MAE requirements. A minimum of 84 semester hours is required for the PhD degree. Twelve (and only 12) of these hours must be dissertation. Of the 84 semester hours, at least 30 hours (which may include research credit) of the approved PhD program and 12 dissertation hours must be completed after admission to the student's PhD Program. Distribution of the 84 hours follows:

1. at least 18 credit hours course work in the candidates major area of interest,
2. at least six credit hours of upper-division mathematics, as defined in the MAE Guidelines at <http://mae.fulton.asu.edu/graduate/graduate-studies>,
3. at least nine credit hours of other graduate level course work outside the candidates major area of interest; these must be restricted to mathematics, engineering and/or science,
4. 12 (and only 12) semester hours of MAE 799 dissertation to be completed after admission to the PhD program,
5. additional research hours (MAE 792) may be utilized to meet the total 84 credit hour requirement.

In accordance with MAE academic standards, students are required to maintain a 3.25 cumulative grade point average.

Admission Requirements: Students interested in applying to this program must submit the Graduate College online application.

Nuclear Power Generation (Grad Certificate) ESNPGRCT

IRA A. FULTON SCHOOL OF ENGINEERING, TEMPE

Contact: <http://ee.fulton.asu.edu/> | askee@asu.edu | GWC 212 | 480/965-3590 | 5706

Official Degree Awarded: Nuclear Power Generation (Certificate) (CERT)

Program Description: The Nuclear Power Generation graduate certificate is a multidisciplinary professional option within the Fulton School of Engineering. New and existing courses from multiple academic units will constitute both the core and elective classes available to the student. The primary mode of instructional delivery will be online using the facilities of the Engineering Office of Global Outreach and Extended Education (GOEE). The courses will be offered on-campus and simultaneously recorded to streaming video for distance-learning via the Internet.

Program Requirements: Required Semester Credit Hours: 18

Admission Requirements: Applicants who hold a bachelor's degree in an engineering or science discipline, such as physics, chemistry and mathematics, from a regionally accredited institution are eligible to apply to the program. Applicants will be required to submit an official ASU graduate online application, official transcripts of all undergraduate and graduate coursework, and a statement of career and educational goals. Regular admission may be granted to applicants who have achieved a grade point average of 3.0 (4.0 scale) or better in the last two years of work leading to a bachelor's degree and are competitive in the applicant pool.

GRADUATE COLLEGE

Biological Design (PhD) GCBDSPHD

GRADUATE COLLEGE, TEMPE

Contact: <http://biologicaldesign.asu.edu/> | biologicaldesign@asu.edu | BD A320CB | 480/727-9298 | 5001

Official Degree Awarded: Biological Design (PhD)

Program Description: The doctoral program in Biological Design seeks to develop a new type of scientist by training students in core disciplines related to biology while simultaneously preparing them to participate successfully in the interdisciplinary research teams of the future.

The research emphasis is on projects that are use-inspired, contributing directly to solutions for important societal challenges. This is a highly mentored program of personalized study that provides significant interaction with the large and vibrant research community at ASU and with partner organizations locally and nationally. Students are expected to complete the program in four to five years. Students accepted into the Biological Design PhD program will be supported as Research Assistants (RAs) in the first year of study and generally through the term of their studies.

Program Requirements: The PhD program requires 84 semester hours, an oral examination, a defense of a written dissertation and at least 18 hours of formal course work. Because this is a highly-mentored program designed around each student, your advisor will provide guidance on the appropriate curriculum based on your core discipline of interest.

The key distinguishing features of the curriculum are:

- A personalized program of study that allows you to explore the disciplinary areas of greatest interest to you.
- Three ten-week laboratory rotations during your first year of study
- A two-semester core course sequence consisting of two courses that will provide core training in all the relevant bio-related areas.
- Encouragement to choose dissertation research projects that are use-focused, contribute to solving a large-scale challenge, and promise rich interdisciplinary experiences.
- Students accepted into the Biological Design PhD program will be supported as Research Assistants (RAs) in the first year of study and generally through the term of their studies.

If you are accepted to the Biological Design PhD Program:

During the first academic year, in addition to a core course sequence, you will complete three 10-week laboratory rotations. Rotations can be in any laboratory on the ASU campus provided it is centered largely on biological research and is approved by the Biological Design graduate faculty chair. Your advisor will help coordinate these rotations to help you choose the best laboratory and mentor for you, and one which exposes you to diverse approaches to science.

At the end of the first year of course work and rotations (May), you will choose a lab and professor to work in consultation with the Biological Design Program and prospective mentors. One semester of teaching assistant participation will be required to gain experience in teaching. All Biological Design graduate students through the course of the graduate experience will participate in special seminars, meetings and social activities to encourage broad research interactions. You will be eligible for program support to attend scientific meetings.

You may request to work in a laboratory at ASU the summer prior to the start of your graduate studies.

Admission Requirements: Applications for the Biological Design PhD program are taken and processed through the ASU Graduate College. The application deadline for the program is January 1.

Prior to submitting the online application, candidates should prepare the following documents (these documents can be uploaded into the application as .doc, .rtf, or .txt file types):

- **Personal Statement:** This document should reflect your career and educational goals, and should explain why you are interested in pursuing this program. Candidates should describe their prior and current research experience. Your statement should be one to three pages.
- **Resume:** Your resume should reflect your prior research and employment experience and list honors, awards, memberships held and any publications.

Additionally, candidates must submit the following information:

- **GRE test scores:** The institution code for ASU is 4007. Subject test scores are also recommended but not required.
- **Letters of Recommendation:** Three letters of recommendation relative to your academic career are required for consideration. At least one letter should be an academic reference. Letters that reflect the candidate's research experience and potential are strongly encouraged. The applicant should collect all letters in separate sealed envelopes, but should mail them together in a larger envelope to the ASU Graduate College. When you submit your online application, you will be given a Document Reference Number that ensures proper matching of documents with your application. Please write your Document Reference Number on the upper left side of the envelope and mail to:

Graduate College
Arizona State University
Interdisciplinary Bldg, B wing, Room 170
PO Box 871003
Tempe, AZ 85287-1003

For additional Graduate College application requirements, including transcripts, fee and international application requirements, please review this link: http://www.asu.edu/graduate/admissions/admissions_checklist.htm.

Human and Social Dimensions of Science and Technology (PhD) GCHSDSTPHD

GRADUATE COLLEGE, TEMPE

Contact: <http://hsd.asu.edu> | hsd@asu.edu | LSC 284 | 480/965-1778 | 3301

Official Degree Awarded: Human and Social Dimensions of Science and Technology (PhD)

Program Description: Under the auspices of the Graduate College, a steering committee administers the PhD program in Human and Social Dimensions of Science and Technology (HSD). This program prepares students to teach and conduct research on the

conceptual, historical, social, and policy foundations of science and technology, and their interactions with society, using humanistic and social scientific methods.

The HSD program responds to the growing demand for interdisciplinary research in the humanities and social sciences that can provide insights into the dynamic relationship between science, technology, and society. Solutions to the problems of applying science and technology to human well-being can only be found by fully integrating research from across many social science and humanities disciplines. The PhD program in HSD is flexible, combining a strong, integrated, first-year experience, with substantial freedom for students, in conjunction with their advisors, to design carefully crafted programs of study relevant to their own areas of specialization and expertise. Unique among programs of this kind nationally, students will also learn to communicate and work with scientists, engineers, policy, business, and community officials, and/or the public in conducting and applying research.

Program Requirements: The PhD in HSD is a research degree, culminating in a dissertation, which must draw on multiple disciplinary perspectives.

The degree requires completion of 84 semester hours of which 12 hours (and only 12) are for dissertation. Students may apply up to 30 hours from a prior master's degree toward the total hour requirement upon approval of the steering committee. Each student, with his or her supervisory committee, develops a unique program of study, which the student's supervisory committee approves.

Each student completes a year-long core seminar, a second-year research project, two major fields, one minor field, methods training, electives, and research. Students also regularly attend the program colloquia. There are no foreign language or statistics requirements, except as needed for certain dissertation projects.

Fields

In consultation with the student's supervisory committee, each student develops three distinct fields to provide the in-depth training necessary to formulate and carry out his or her dissertation research. Each student must complete two major and one minor field. Major fields consist of the equivalent of three courses of specialized work (either in existing elective courses or through independent reading or research projects) designed to achieve mastery of a particular intellectual subject. The minor field consists of the equivalent of two courses of specialized work. For each field, the supervisory committee and student will select a field director, who is a member of the student's supervisory committee and who will be responsible for working with the student to determine field content as well as the format for demonstrating mastery of the field, such as a field exam, field paper, or exemplary course paper.

After the completion of course work or other assigned activities for each field, a student will demonstrate mastery of the field. The student's supervisory committee will assess mastery, in a format proposed by the committee and the student and approved to by the steering committee. Common formats for demonstrating mastery of a field include a field exam, a field paper, or an exemplary course paper. The timing of demonstration of mastery of each of the three fields is determined by the student and his or her supervisory committee; the demonstrations need not occur at the same time.

Supervisory Committee

Each student appoints his or her supervisory committee no later than the end of the second semester of program enrollment. A supervisory committee includes a chair, who is a tenured or tenure-track faculty member of the HSD faculty, and two to four additional members. Fifty percent or more of the supervisory committee members must be HSD faculty. The student's field directors are members of his or her supervisory committee. A student may change the members of his or her supervisory committee with approval of the program steering committee chair.

Study Plan and Study Plan Review

During the second semester, each student develops, in collaboration with the student's supervisory committee, a study plan. The study plan specifies the second-year research project topic, fields, and electives the student will pursue.

The study plan review is a formal meeting of each student's supervisory committee at which the student presents the study plan for supervisory committee approval. This meeting is typically held during the second semester of enrollment or at the beginning of the third semester. Students may not begin a fourth semester of study without an approved study plan.

Comprehensive Examination

Each student develops a written dissertation prospectus, including a bibliography, discussion of relevant research skills, and a brief (less than one page) description of each field completed and how mastery was demonstrated. The dissertation prospectus shows t

Admission Requirements: Preference is given to students with demonstrated interest and competence in relevant areas of intellectual work. All students must hold an undergraduate degree from a regionally accredited institution or university of recognized standing when they enter, and have a minimum GPA of 3.00 (on a 4.00 scale) for the last 60 semester hours of undergraduate work.

To apply to the program, applicants are required to submit an official ASU graduate application, official transcripts of all undergraduate and graduate course work, the HSD academic record form, a curriculum vitae or resume, a statement of proposed research program that clearly identifies why the student feels ASU is the appropriate place to pursue his or her PhD degree and identifies one or more faculty member(s) whose interests and/or work are relevant to the student's proposed research. A writing sample, general GRE scores, and three academic letters of recommendation are also required. Regular admission may be granted to applicants who meet Graduate College admission requirements.

Neuroscience (PhD) GCBMENPHD

GRADUATE COLLEGE, TEMPE

Contact: andrew.webber@asu.edu | Intsd B288 | 480/965-5906 | 1003

Official Degree Awarded: Neuroscience (PhD)

Program Description: Neuroscience (PhD)

Statistics (Grad Certificate) GCSTATCE

GRADUATE COLLEGE, TEMPE

Contact: statistics@asu.edu | GWC 551 | 480/965-2671 | 5906

Official Degree Awarded: Statistics (certificate) (CERT)

Program Description: The Committee on Statistics offers a program leading to the Certificate in Statistics. The program is interdisciplinary in that it draws upon faculty research and teaching interests from various academic units so that programs of study can be tailored to reflect individual needs and goals. The committee, which sets program requirements and supervises programs of study, is composed of faculty from departments in the Ira A. Fulton School of Engineering, the College of Liberal Arts and Sciences, the W. P. Carey School of Business, and the New College of Interdisciplinary Arts and Sciences.

The certificate seeks to provide statistical training for graduate students at ASU and professionals in the metro-Phoenix area. The certificate requires 15 semester hours of course work selected from approved courses presently offered in graduate programs at ASU. It is administered by the Committee on Statistics, which also administers the Master of Science in Statistics degree through the Graduate College.

Program Requirements: The certificate program requires a minimum of 15 semester hours of course work. To qualify for the certificate, a student must complete courses in applied regression analysis (IEE 578, QBA 525, or STP 530) and analysis of variance/experimental design (IEE 572, QBA 530, or STP 531). The remaining nine credits are taken from the set of courses approved by the Committee on Statistics. The certificate program requires no applied project. A maximum of nine hours from the approved list of certificate courses can be transferred to the MS in Statistics degree. Students must have a GPA of at least 3.00 in the courses which apply to the certificate.

Admission Requirements: To apply in the certificate program, the applicant must have a bachelor's degree, and should have completed the following courses (equivalents at ASU are given in parentheses): one semester of calculus (MAT 270 or 210), and introductory applied statistics (QBA 221 or STP 420). The applicant is also required to have some computer literacy with knowledge of a programming language, a spreadsheet program, or a statistical software program.

Statistics (MS) GCSTATMS

GRADUATE COLLEGE, TEMPE

Contact: <http://graduate.asu.edu/statistics> | statistics@asu.edu | PSA 744 | 4809652671 | 1003

Official Degree Awarded: Statistics (MS)

Program Description: The Committee on Statistics offers a program leading to the degree Master of Science in Statistics. The program is interdisciplinary in that it draws upon faculty research and teaching interests from various academic units so that programs of study can be tailored to reflect individual needs and goals. The committee, which sets program requirements and supervises programs of study, is composed of faculty from departments in the Ira A. Fulton School of Engineering, the College of Liberal Arts and Sciences, the W. P. Carey School of Business, and the New College of Interdisciplinary Arts and Sciences.

The program for the MS degree in Statistics provides preparation for either a research-oriented or a practice-oriented career. Requirements specific to this program ensure balanced attention to the theoretical and applied aspects of the discipline of statistics. The program prepares students for careers in business, education, industry, and government. Graduates understand the theory that is fundamental to proper use of statistics, are knowledgeable about the tools of applied statistics, and are familiar with computer software packages available for doing statistical computations. In addition, students interested in research in statistics can obtain the background needed to begin a doctoral program. Flexibility in the program reflects the fact that statistical analysis is one of the most widely used tools of modern scientific reasoning.

Program Requirements: Completion of the degree requires 30 semester hours of approved credit, none of which may be from the prerequisites. The program must include the nine semester hours from three required theory courses: probability (STP 421), mathematical statistics (STP 427), and theory of statistical linear models (STP 526). The required theory courses are fundamental to the education of statisticians and are necessary for more advanced graduate study. Two courses in applied linear statistical models are also required: applied regression analysis (IEE 578, QBA 525, or STP 530) and applied analysis of variance/design of experiments (IEE 572, QBA 530 or STP 531). The program must also include either three semester hours of applied project (IEE 593, QBA 593, or STP 593) or six semester hours of thesis (IEE 599, QBA 599, or STP 599). The applied project or thesis must be defended at an oral examination. The content of the applied project report or thesis must, in its final form, be suitable for submission to an academic journal or conference proceedings. The thesis must conform to Graduate College format requirements.

The remaining nine or 12 semester hours come from elective courses chosen by the student with the approval of supervising faculty. A maximum of six semester hours may be chosen from a related field on which statistics relies (such as computer science) or in which statistics is an essential tool (e.g., biostatistics, quality control). The elective courses allow the student to emphasize a particular area of statistical inference, culminating in an applied project report or a thesis on a topic in that area. No foreign language or written comprehensive examinations are required.

The student has considerable flexibility in selecting an area of specialty. One area of emphasis is. Possible areas of specialty include, among others, applied data analysis, Bayesian analysis, biostatistics, categorical data analysis, data mining, design of experiments, industrial statistics and six sigma methodology, linear models, multivariate analysis, sampling and survey research, smoothing methods, statistical computing, statistical process control, and time series analysis.

Admission Requirements: Applicants must satisfy the general requirements for admission to the Graduate College. Applicants should have completed the following courses (equivalents at ASU are given in parentheses): calculus (MAT 270, 271, and 272), advanced calculus (MAT 371), linear algebra (MAT 342), computer programming (CSE 100), and introductory applied statistics (QBA 221 or STP 420). Applicants who lack any of these prerequisite courses must complete the prerequisites before being considered for admission. The submission of Graduate Record Examination test scores is strongly encouraged, but not required. In addition applicants must submit three letters of academic recommendation and a brief statement of purpose to the director of the Committee on Statistics. Although most applicants earn the bachelor's degree in a quantitative area (such as statistics, quantitative business analysis, mathematics, engineering, or computer science), this is not required for admission to the program.

JOURNALISM AND MASS COMMUNICATION, WALTER CRONKITE SCHOOL OF

Master of Mass Communication (MMC) CSMCOMMMC

WALTER CRONKITE SCHOOL OF JOURNALISM AND MASS COMMUNICATION, DTPHX

Contact: <http://cronkite.asu.edu/grad/index.php> | masscomm@asu.edu | 555 N. Central Ave. Ste. 302 | 602/496-5555 | 2020

Official Degree Awarded: Mass Communication (MMC)

Program Description: The Master's of Mass Communication (MMC) program offers basic journalism skills instruction, education in journalism values, and instills 21st century vision and perspective. Students gain practical hands-on experience in specialties including print, broadcast, strategic media, and online journalism.

The cornerstones of the graduate program are the Cronkite School's specialized experiences: NewsWatch, New Media Innovation Lab, the Knight Center for Digital Media Entrepreneurship, Cronkite News Service Print, Cronkite News Service Broadcast, projects covering the borderland with Mexico, and a strategic media experience.

Program Requirements: The master's program is a full-time, three-semester long, 36-semester-hour immersion program. Students with extensive professional experience may be offered the opportunity to pursue the 30-semester-hour mid-career option.

Admission Requirements: Admission is granted for the fall semester only. The application deadline is February 1. Applicants must meet all deadlines and application requirements to be considered. The Cronkite School's graduate committee reviews complete and on time applications. Recommendations for admission are made to ASU's Graduate College, where the final admission decisions are made.

ASU's Graduate College requires that all those admitted have at least a 3.00 GPA (based on a 4.00 scale) in the last 60 semester hours or 90 quarter hours of undergraduate course work.

The scores on the quantitative and verbal sections of the Graduate Record Exam (GRE) of those admitted average about 1213, with the verbal score being particularly important to the Cronkite School's graduate committee. TOEFL scores must be at least 600 for the paper-based exam, 250 for the computer-based exam, and 100 for the iBT score.

Applicants must submit three letters of recommendation, a personal statement of interest (350-500 words in length) and a resume.

LAW, SANDRA DAY O'CONNOR COLLEGE OF

Juris Doctor (JD) LWJDJD

SANDRA DAY O'CONNOR COLLEGE OF LAW, TEMPE

Contact: <http://www.law.asu.edu> | iim-mls.admissions@asu.edu | 4809656181 | 7906

Official Degree Awarded: Juris Doctor of Law (JD)

Program Description: The Sandra Day O'Connor College of Law offers programs in traditional law studies that culminate in a Juris Doctor (JD) degree. Within the JD program, there are many areas of concentration, such as Indian law, science and technology, tax, and philosophy. In addition, the college offers several joint degree programs for individuals who wish to earn additional degree distinctions along with the JD.

The Sandra Day O'Connor College of Law offers a fully ABA-accredited Juris Doctor degree program. The program is full-time and classes are offered during the day. The college enrolls about 170 students each fall.

Program Requirements: Students must complete a total of 88 semester hours and write a substantial paper to complete the graduation requirements. First year students are required to take a specific set of classes, including Contracts, Torts, Criminal Law, Civil Procedure, Constitutional Law I, Property, Law and the Regulatory State, and Legal Research and Writing. After the first year, the only required courses are Professional Responsibility and Criminal Procedure or Constitutional Law II. Students may also participate in the various clinics, simulation courses, or externships.

Admission Requirements: The Sandra Day O'Connor College of Law at Arizona State University enrolls only one first-year class per year, and it enters in the fall semester. The program is full-time, day-time only. Each year, far more applications are submitted to the College of Law than the college's facilities and programs can accommodate. Thus, admission is competitive. The College of Law makes its admissions decisions based upon all information contained in the applicant's file.

To be considered for admission to the JD program, an applicant must have taken the Law School Admission Test (LSAT) and have earned, or expect to earn by the time of enrollment in law school a baccalaureate degree from an accredited, four-year college or university. Further, a candidate must complete the application for admission and submit all mandatory attachments. Transcripts and letters of recommendation must be submitted through the Law School Data Assembly Service (LSDAS) and will be provided to the College of Law by LSAC with the applicant's LSAT record.

The Sandra Day O'Connor College of Law at Arizona State University will provide full file review to 100 percent of the completed applications to the JD program. While the applicant's undergraduate record and LSAT score are important predictors, no decision will be made on objective criteria alone. Among the other factors considered by the admissions committee are the rigor of the undergraduate course of study, graduate study, demonstrated commitment to public service, work experience, leadership experience, extracurricular or community activities, history of overcoming economic or other disadvantage, personal experiences with discrimination, overcoming disability, geographic diversity, diversity of experience and background, maturity, ability to communicate, foreign language proficiency, honors and awards, service in the Armed Forces, publications, exceptional personal talents and other factors.

Early Admission

To be considered timely for Early Admission, an applicant must take the LSAT no later than the September/October administration, and submit a completed application for admission postmarked or electronically submitted no later than November 1. Any application postmarked or electronically submitted after November 1, or remaining incomplete as of December 10, even if marked for Early Admission, will be considered along with the Regular Admission applications.

The admissions committee will make every effort to provide a response on all completed Early Admission applications by the end of January. Please note that some applicants will not receive a final decision of admission or denial, but will instead receive notice that they are being held for review with the regular applicant pool.

Regular Admission

To be considered timely for Regular Admission, an applicant must take the LSAT no later than the February administration, and submit a completed application for admission postmarked or electronically submitted no later than February 1. Any application postmarked or electronically submitted after February 1, or remaining incomplete as of March 10, is untimely and may be at a disadvantage in the review process.

For an application to be considered complete, it must include the following:

- A \$50 application fee (credit card/check/money order).
- A personal statement that does not exceed three double-spaced, typed pages.
- A resume that does not exceed three typed pages.
- Explanations to affirmative answers to any conduct questions.
- Law School Admissions Test (LSAT) score(s) from Law Services.
- A complete Law School Data Assembly Service (LSDAS) report with all transcripts and letters of recommendation. The LSDAS report must be from the current application year.

Applicants who have received an undergraduate or graduate degree from a foreign institution

Law - Biotechnology and Genomics (LLM) LWGENOMLLM

SANDRA DAY O'CONNOR COLLEGE OF LAW, TEMPE

Contact: <http://www.law.asu.edu> | llm-mls.admissions1@asu.edu | 4809656181 | 7906

Official Degree Awarded: Biotechnology and Genomics (LL.M.)

Program Description: The Master of Laws (LLM) in Biotechnology and Genomics program is offered through the Sandra Day O'Connor College of Law's Center for the Study of Law, Science, and Technology, the nation's oldest, largest, and most comprehensive research center focusing on the intersection of law and science. Through classroom instruction and guided independent study, LLM candidates (those who have received their Juris Doctor or comparable terminal law degree) will examine the legal issues surrounding genetic applications such as genetically modified organisms, forensic evidence, gene testing, gene therapy, cloning, stem cells, and behavioral genetics. The issues relate to privacy, confidentiality, regulation, liability, international trade, evidentiary standards, intellectual property, licensing, and business planning.

LLM students explore and examine the law that enables and constrains the development, control, and application of biotechnology and genomics. Relevant legal fields include health law, particularly public health law, agricultural law and policy, and intellectual property. Forensic science and ethical constraints upon the various contemplated uses are also important elements of the program. Because the legal, ethical and policy aspects of genomics and biotechnology are of global significance, this program will also be beneficial for non-U.S. lawyers.

Program Requirements: The program is designed to be completed in nine months on a full-time basis, but may also be pursued on a part-time basis. A degree candidate must complete 24 semester hours of course work to obtain the LLM in Biotechnology and Genomics degree. A candidate may elect to write a graduate thesis for either three or six semester hours, or can instead elect to not write a thesis and fulfill the equivalent credits with other course work. Two courses are required, (1) Genetics and the Law and (2) Biotechnology: Science, Policy and Law. The remaining semester hours will generally be obtained from the list of elective courses. With faculty advisor approval, a candidate may satisfy up to six semester hours with courses offered by the law school or other ASU departments.

Admission Requirements: Criteria for admission include grades in law school and other academic programs, recommendations by professors and/or employers, employment and life experience, and evidence of interest and potential in biotechnology and genomics. The admissions committee recommends and appreciates early applications. We do not anticipate matriculating more than 20 full-time students annually. Applications are currently accepted on a rolling basis, with preference given for fall start dates.

Applicants to the program must submit:

1. proof of a law degree; either a JD from an ABA accredited law school in the United States or a comparable law degree from a foreign law school approved by either the government or the relevant accrediting authority of the nation where the school is located;
2. an essay describing their interest in the program;
3. a writing sample;
4. two letters of recommendation;
5. completed LLM application; and
6. official transcripts of undergraduate and law degree studies.

International Applicants or those who have earned academic credit for law in foreign countries.

Course Evaluations:

The World Education Services (WES) must independently evaluate all academic documents issued in countries than the United States. Please contact WES at their website (<http://www.wes.org/>) to obtain an application for an evaluation. You must request a course-by-course evaluation and have an official copy from WES be sent directly to:

Sandra Day O'Connor College of Law
Arizona State University
Office of Admissions and Financial Aid
1100 S. McAllister Ave.
PO Box 877906
Tempe, AZ 85287-7906

Law - Legal Studies (MLS) LWLGSMLEGS

SANDRA DAY O'CONNOR COLLEGE OF LAW, TEMPE

Contact: <http://www.law.asu.edu> | llm-mls.admissionsl@asu.edu | 4809656181 | 7906

Official Degree Awarded: Legal Studies (MLS)

Program Description: The Master of Legal Studies (MLS) program offers an interdisciplinary immersion in the law school's curriculum to highly qualified non-lawyers who do not seek a degree that will enable them to practice law, but instead wish to achieve a basic familiarity with legal thought and to explore the relation of law to their ongoing fields of work or scholarship. The program seeks MLS candidates from a variety of backgrounds with a diversity of goals: natural scientists and engineers who want to study the legal regulation of science or the protection of intellectual property; social scientists who seek a foundation in law and legal process in order to design and conduct better informed empirical research on policy issues; humanities scholars who desire a foundational understanding of law and legal culture to enrich their primary historical or philosophical or literary scholarship; journalists who want to report on law-related events in a more informed and illuminating way; entrepreneurs and managers who hope to better advance their companies in industries as diverse as banking, insurance, construction, development, agribusiness, and electronics by better understanding the legal system in which they operate. This program is intended for the professional who wishes to study law, but does not seek to become an attorney. Completed course work from the MLS will not qualify as law school credit.

Program Requirements: The program consists of 30 semester hours of approved study. The degree can be completed in two semesters of full-time study or spread out over two or more years in part-time study. Each student is assigned a faculty advisor to help develop a curriculum that best meets the student's goals. MLS students are required to choose at least two of the following basic first year law courses-Contracts, Constitutional Law, Criminal Law, Property, and Torts. Other courses can be chosen from Legal Process, Legislation, or Jurisprudence in order to include a broad perspectives course in their curriculum. These core courses will provide 10 to 12 of the requisite 30 semester hours. The remainder of the hours are electives. Course selection will be flexible to accommodate the diversity of intellectual interests the program is intended to serve. Students will earn the remainder of their credits through whatever combination of elective law school courses-and in some instances courses offered elsewhere in the University-best complements and advances the student's goals.

Admission Requirements: To begin this graduate-level program, students must have earned an undergraduate degree from an accredited four-year college or university in the United States or a comparable degree from a foreign institution. All applicants must submit official transcripts of their undergraduate and graduate degree studies, a personal statement, a resume, a writing sample, and two letters of recommendation. The admissions committee recommends and appreciates early applications.

Criteria for admission include prior academic experience, recommendations by professors and/or employers, employment and life experience, and evidence of potential for success. Graduate school entrance exams (e.g., LSAT, GRE, GMAT, etc) are not required, but applicants who have taken those exams are invited to report their scores. One goal of the admissions committee is to admit a diverse student body that will contribute to a dynamic and interesting learning environment. Academic background and strength, though important, are not the only criteria evaluated in the application process. For this reason, a personal statement, written by you, limited to 1250 words on double-spaced, typed pages, is a required part of the application. In this statement we seek information about your distinctive qualities, talents, successes, achievements, interests, life experiences, and interest in the program. Your writing sample should be a professional or academic sample, written solely by you, that gives an indication of your writing ability.

1. proof of a four year degree; either
 - a) an accredited college or university in the United States or
 - b) a comparable degree from a foreign institution approved by either the government or the relevant accrediting authority of the nation where the school is located;

2. a personal statement;
3. a résumé;
4. a writing sample;
5. two letters of recommendation;
6. a completed MLS application; and
7. official transcripts of undergraduate and graduate degree studies

Mail these items to the following address:

Sandra Day O'Connor College of Law
Arizona State University
Office of Admissions and Financial Aid
PO Box 877906
Tempe, AZ 85287-7906

International Applicants

Applicants who have earned academic credit in countries other than the United States: The World Education Services (WES) must independently evaluate all academic documents issued in countries than the United States. Please contact WES at their website (<http://www.wes.org/>) to obtain an application for an evaluation. You must request a course-by-course evaluation and order that an official copy from WES be sent directly to:

Graduate Admissions
Sandra Day O'Connor College of Law
Arizona State University
PO Box 877906
Tempe, AZ 85287-7906

Your application for admission to the Sandra Day O'Connor College of Law at Arizona State University will not be complete until this evaluation is received by the Sandra Day O'Connor College of Law.

International applicants must meet the requirements of the Graduate College as well as those of the Sandra Day O'Connor College of Law.

If English is not your native language, you must provide evidence of English proficiency as indicated by acceptable scores. Applicants should have a TOEFL score above 600 (paper) or 250 (computer). Exceptional candidates with relevant experience and background who have scores of at least 590 (paper) or 243 (computer) also will be considered.

Law - Tribal Policy, Law, and Government (LLM) LWTBLMLAWS

SANDRA DAY O'CONNOR COLLEGE OF LAW, TEMPE

Contact: <http://www.law.asu.edu> | llm-mls.admissions@asu.edu | 4809656181 | 7906

Official Degree Awarded: Tribal Policy, Law and Government (LL.M.)

Program Description: The LLM in Tribal Policy, Law and Government is designed for lawyers and law school graduates who desire to work on issues related to tribal law and federal Indian law at the professional and academic levels. The Indian Legal Program is nationally known and was established in 1988. Today, the Sandra Day O'Connor College of Law graduates more Indian law specialists than any other law school in the country. The LLM program provides students with a detailed understanding of the nature of tribal government, law, and policy development within the domestic federal structure. Candidates will benefit from the extensive resources committed to the Indian Legal Program, including a full-time director and staff and an Indian Law Clinic with its own full-time director and staff. The core curricular offerings focus on domestic tribal law, federal Indian law, and American institutions of law and government. The program explores the expression of domestic law within contemporary administrative, governmental, and judicial institutions. ASU is located in the heart of the Southwestern United

States, home to roughly one-third of the native population in the United States and where many of the largest Indian nations in the country reside. It is the academic home for several nationally known scholars who do research on American Indian issues, and houses many unique resources for such scholarship, including the Labriola Collection at Hayden Library.

Program Requirements: The program is administered by the Indian Legal Program and consists of two different tracks intended to serve two distinct groups of students. Candidates will choose either the practicum track or the thesis track.

The LLM Practicum Track

The LLM Practicum Track is oriented toward students who seek practical experience in tribal law and federal Indian law. It provides intensive instruction to students who graduated from a law school that had few or no courses in Indian law and who now seek to practice in these areas at a professional level. This track requires a minimum of 24 semester hours of study, including a clinical law experience. A thesis is not required.

Students will immerse themselves in the study of tribal law and federal Indian law and will apply the knowledge and experience they gain through the practical component of the degree program which may consist of state, tribal and federal court practice; tribal code drafting; and research projects for tribal courts and governments. Graduates will be well equipped for professional positions that require knowledge and expertise in tribal law and federal Indian law. Students on the practicum track will have the option of pursuing the degree on a part-time basis.

The LLM Thesis Track

The LLM Thesis track is oriented toward students who desire to undertake the academic study of tribal law and federal Indian law in preparation for careers as professors and scholars. This track is designed for candidates who have demonstrated analytic and research ability, and who desire to undertake extended study, research, and scholarly writing. This track will require a minimum of 30 semester hours of study, including completion of a thesis of publishable quality.

Students will build a foundation in scholarly research and writing in tribal law and federal Indian law. While matriculating in the program, LLM students will have the opportunity to teach at the law school level. Students will be assigned to an Indian law professor who will mentor them in creating a thesis and submitting publishable articles. Graduates will have the necessary skills for entry-level positions in academia.

Admission Requirements: Criteria for admission include grades in law school and other academic programs, written recommendations by professors and/or employers, relevant professional and practical experience, and evidence of interest and potential in Indian Law.

Students admitted to the LLM program in Tribal Policy, Law, and Government must possess either a Juris Doctor degree from a law school in the United States accredited by the American Bar Association or a comparable terminal law degree from a law school accredited by the government or the highest accrediting authority of the nation in which the school is located. The program is oriented, however, toward students who have a basic understanding of American government and have taken the relevant foundational course in federal constitutional law. For this reason, it is assumed that most applicants will have earned their degrees from law schools within the United States.

The LLM program is designed to accommodate seven students per year. Interest in this program appears to be large. Because the committee utilizes a "rolling admissions" process and space is limited, your chances of acceptance are higher the earlier you apply.

Applicants to the program must submit:

1. proof of a law degree; either
 - a) a JD from an ABA accredited law school in the United States or
 - b) a comparable law degree from a foreign law school approved by either the government or the relevant accrediting authority of the nation in which the school is located;
2. an essay describing their interest in the program;
3. a writing sample;
4. two letters of recommendation;

5. a completed LLM application; and
6. official transcripts of undergraduate and law degree studies.

International Applicants:

Applicants who have earned academic credit in countries other than the United States: The World Education Services (WES) must independently evaluate all academic documents issued in countries other than the United States. Please contact WES at their website (<http://www.wes.org/>) to obtain an application for an evaluation. You must request a course-by-course evaluation and order an official copy from WES be sent directly to:

Graduate Admissions
Sandra Day O'Connor College of Law
Arizona State University
PO Box 877906
Tempe AZ 85287-7906

Your application for admission to the Sandra Day O'Connor College of Law at Arizona State University will not be complete until this evaluation is received by the college.

International applicants must meet the requirements of the Graduate College as well as those of the Sandra Day O'Connor College of Law. If English is not your native language, you must provide evidence of English proficiency as indicated by acceptable scores. Applicants should have a TOEFL score above 600 (paper) or 250 (computer). Exceptional candidates with relevant experience and background who have scores of at least 590 (paper) or 243 (computer) also will be considered.

Law, Science, and Technology Certificate LWLAWSTCE

SANDRA DAY O'CONNOR COLLEGE OF LAW, TEMPE

Official Degree Awarded: Law, Science, and Technology (certificate) (CERT)

Program Description: The certificate program provides coherence and structure to student academic development; there are specializations in intellectual property, healthcare law, environmental law, genomics and biotechnology law, and law and psychology. Externships in the local legal community provide students with hands-on experience under the guidance of skilled practitioners. The center's Technology Ventures Clinic provides a unique applied clinical experience where students evaluate inventions generated by ASU researchers, devise marketing strategies, and file patent documentation. Subjects include scientific evidence, intellectual property and cyber law, behavioral biology, healthcare and bioethics, information and communication technologies, statistics and mathematical methods, biotechnology, environmental and natural resource law and policy, and risk management.

Program Requirements: For specific program requirements, see (<http://www.law.asu.edu/?id=220>) Law, Science, and Technology Certificate Program.

Admission Requirements: The certificate program is limited to students who are enrolled in the Sandra Day O'Connor College of Law. Admissions information is available at Admissions (<http://www.law.asu.edu/?id=330>).

LIBERAL ARTS AND SCIENCES, COLLEGE OF

African Studies (Grad Certificate) LAAFRICACE

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://www.asu.edu/clas/afamstu/> | afamstu@asu.edu | WILSN 140 | 480/965-4399 | 0903

Official Degree Awarded: African Studies (certificate) (CERT)

Program Description: The graduate certificate in African and African Diaspora Studies is an interdisciplinary program with four areas of emphasis: African studies, African diaspora studies, women and gender in African and African diaspora studies, and comparative studies. These areas of emphases provide students with access to an extensive range of information and systematic knowledge committed to the new model of African and African diaspora studies that focuses on the intersections of race, culture, and gender with interdisciplinary perspectives. The required course, AFR 500 RM: Theory and Methods, offers students an overview of the focus and explicates relevant methodologies and theories. This required course, along with the courses within the areas of emphasis and the capstone course, complete the certificate. As this certificate program offers students an international dimension to the study of peoples and cultures of African descent, students will invigorate their knowledge about global issues and further expand their research pursuits. This certificate program characterizes the faculty's intellectual and research strengths and the curriculum's interdisciplinary strategies and research approaches that highlight the continuities and disjuncture of history and experiences throughout Africa and the diaspora.

Program Requirements: The certificate program requires 18 hours of course work:

AFR 500 RM: Theory and Methods (3)
Emphasis courses* (9)
Capstone project (3)
Elective (3)
Total 18

* Students choose one of the following emphases: African studies, African diaspora studies (includes African American studies), women and gender in African and African diaspora studies, or comparative studies.

Admission Requirements: Applicants must submit the Graduate College online application. Admission to the graduate certificate program in African and African Diaspora Studies is open to any student who has completed a bachelor's degree at an accredited U.S. institution or equivalent. Students who are regularly admitted to a graduate degree program may pursue the certificate in tandem with their degree program. Students who are not regularly admitted to a graduate degree program may still pursue the certificate as nondegree graduate students.

To be considered for admission, students should submit the following documents to the African and African American Studies program office (WILSN 140):

1. a completed application form (available in WILSN 140),
2. a personal statement describing interest in the certificate, academic objectives, and career goals,
3. a résumé or curriculum vitae,
4. an official transcript showing the completion of a bachelor's degree in any academic field, and
5. two letters of recommendation.

After reviewing the application materials, the coordinator of the certificate program contacts the student to set up an interview.

Anthropology (Museum Studies) (MA) LAMUSEUMMA

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: http://shesc.asu.edu/graduate_studies | anthgrad@asu.edu | ANTH 233 | 4809656215 | 2402

Official Degree Awarded: Anthropology (Museum Studies) (MA)

Program Description: The School of Human Evolution and Social Change offers an MA degree in Anthropology with a concentration in museum studies. Museum anthropology encompasses theoretically oriented analyses of museums as cultural institutions (including the activities of staff members, visitors, represented peoples and all implicated others) as well as applied aspects of working in museums and related agencies. Drawing on all subdisciplines of anthropology, special emphasis is placed on connecting material culture and ideation in a variety of institutional and field settings. Museum anthropology students apply museum philosophy, principles, practices and current critiques to explore the many dimensions of curatorship, including research, collections management, exhibition work, educational programming and administration.

Program Requirements: A minimum of 30 semester hours of graduate work approved by a student's supervisory committee and the Graduate College is required. More than 30 semester hours are required in certain programs. The program offers a thesis and non-thesis option.

Admission Requirements: In addition to the general requirements for admission to the Graduate College, the School of Human Evolution and Social Change requires applicants to provide a statement of their interests and professional goals and three letters of recommendation. Applicants who received their BA during the past ten years must also submit scores on the Graduate Record Examination. Undergraduate course work in anthropology is not a prerequisite for admission, but is generally advisable. Students may be admitted without such a background and may be required to acquire knowledge of general anthropology in a manner to be specified at the time of admission.

Anthropology (PhD) LAANTHRPHD

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: http://shesc.asu.edu/graduate_studies | shescgrad@asu.edu | ANTH 233 | 4809656215 | 2402

Official Degree Awarded: Anthropology (PhD)

Program Description: The School of Human Evolution and Social Change is an excellent choice for students wanting to pursue a PhD in the traditional fields of anthropology (socio-cultural anthropology, linguistics, physical anthropology or archaeology). It is also an ideal environment for students who want to combine these approaches and other disciplines to explore specific issues or research questions. Our flexible graduate curricula are designed to encourage students to design innovative programs of study to pursue their interests, while receiving broad training in key areas. The anthropology faculty actively engage with faculty in other disciplines, including environmental economics, formal modeling, urban planning, science and technology studies, and sociology.

The school offers many exciting hands-on learning opportunities through laboratories and field-based research that focus on finding ancient human fossils; unearthing buried cities, villages, and hunter-gatherer camps; understanding the development of language; appreciating the cultures of such diverse areas as Southeast Asia, Latin America, and the Mediterranean Basin; disease and medicine; human-environmental interactions; and many other topics that explore humans of the past and present. Students without a master's degree apply to Phase I of the program, where they will receive a master's degree in passing. During this phase, students develop a Research Skills Portfolio and present one of their papers in a school-wide research symposium. A formal evaluation is then completed to determine the student's readiness to enter Phase II of the program. Students with an MA in anthropology or related field begin in Phase II of the PhD program where they receive training to become expert scholars able to contribute not only to their chosen field, but to finding solutions to humankind's greatest challenges.

Program Requirements: This degree program requires 84 credit hours, a dissertation, and a written comprehensive examination. The doctoral program is divided into three phases. The first consists of 30 semester hours of course work and readings, culminating in a research portfolio, which normally consists of two research papers. The faculty may require additional hours of course work or other preparation for entering students who are unfamiliar with the concepts of general anthropology at a level equivalent to that of the ASU undergraduate anthropology core. Mastery of the phase I course material is demonstrated by successful completion of a sequence of core courses. Admission to phase II of the doctoral program is granted to students on the basis of performance in phase I, the quality of the MA research portfolio, prior course work, faculty recommendations, and other relevant information. The second phase consists of 30 semester hours of course work, readings in anthropology and related fields, and directed research designed to prepare the student for the dissertation project. Proficiency in one foreign language may be required by the supervisory committee. The second phase is completed when the following have been met:

1. passing a written comprehensive examination, and
2. passing the oral defense of the dissertation proposal.

The successful student is then advanced to candidacy.

The final phase consists of 24 semester hours of research and dissertation.

Admission Requirements: In addition to the general requirements for admission to the Graduate College, the School of Human Evolution and Social Change requires applicants to provide a statement of their interests and professional goals and three letters

of recommendation. Applicants who received their BA during the past ten years must also submit scores on the Graduate Record Examination. Undergraduate course work in anthropology is not a prerequisite for admission, but is generally advisable. Students may be admitted without such a background and may be required to acquire knowledge of general anthropology in a manner to be specified at the time of admission.

Applied Mathematics (PhD) LAAPMPHD

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://math.la.asu.edu> | grad@math.la.asu.edu | PSA 216 | 480/965-3951 | 1804

Official Degree Awarded: Applied Mathematics (PhD)

Program Description: The PhD in Applied Mathematics and its associated graduate faculty is the focal point for Applied Mathematics at ASU. Outstanding interdisciplinary research programs with strong external funding link faculty and students from the Department of Mathematics and Statistics with faculty and students in Engineering and the Natural Sciences. The curriculum builds a strong foundation in Applied Mathematics and allows the flexibility of

interdisciplinary learning and research. Current research areas include High Performance Computing, Ecology, Imaging, Supply Chain Dynamics and Neuroscience. Graduates are poised for successful careers in research universities, government laboratories, and industry.

Applied Mathematics for the Life and Social Sciences (PhD) LAAMLPHD

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: shescgrad@asu.edu | SHESC 210PC | 480/965-6215 | 2402

Official Degree Awarded: Applied Mathematics for the Life and Social Sciences (PhD)

Program Description: The Applied Mathematics for the Life and Social Sciences (AMLSS) doctoral degree focuses on the training of researchers working on scientific questions at the interface of the mathematical, life and social sciences. Graduates of the program will be making innovative and far reaching scientific contributions that rely on the cutting-edge computational mathematical and modeling approaches. This degree focuses on producing quantitative scientists and applied mathematicians conducting high-level interdisciplinary and cross-disciplinary research. The program's faculty includes mathematicians, statisticians, theoretical biologists and social scientists from five different schools at Arizona State University.

There is a high demand for such an applied doctoral program from students interested in meeting the challenges faced by communities in the 21st century—and by research and planning programs at institutions whose mission is to address global challenges. Arizona's and the nation's health, environmental and natural resource challenges are urgently in need of a large pool of researchers with these interdisciplinary skills.

Applied Mathematics for the Life and Social Sciences (AMLSS) is a challenging field because it requires balancing various ways of thinking (computational, mathematical, statistical, sociological and scientific) and combining them through the production of coherent applications to life and social sciences. Students with strong but possibly highly heterogeneous scientific and cultural backgrounds will find a natural home in this field.

The specific skills that successful students should master in an ideal world would result in a large set whose implementation would be daunting. It is unlikely that all these skills could be taught within a reasonable time frame to a single student at the university separately. Hence, the focus of this degree is on finding ways for students to learn a way of thinking, that is, an appropriate philosophy of learning that will potentially help them (life-long project) become first-rate scientists. The curriculum includes dynamic and statistical approaches as critical and unifying components.

In AMLSS the subject of the studies are people and subsequently relevant solutions of each research question which has a natural time scale pertaining to the particular question and level of social applicability. The fundamental challenge associated with the development of AMLSS curricula comes from the fact that it must provide a bridge connecting the stream of research that is being carried out at particular temporal and spatial scales across scales and levels of social organization. The program builds upon foundations already established in mathematical epidemiology, population dynamics, ecology, genomics, bioinformatics, mathematical analysis, nonlinear dynamic, computational sciences and the social science fields by offering courses that enhances

interdisciplinary exchanges and collaboration among the faculty and students interested in addressing questions of social relevance.

In short, AMLSS is a new and exciting frontier at the intersection of the environmental, health, life, social, mathematical, physical and computational sciences. It deals with challenges that are inherent to complex adaptive systems, particularly, those that involve human interactions. The graduate experience stresses exposure to interdisciplinary learning; interweaving of theory, applications, and analytical approaches, and cross-disciplinary and international collaboration.

Program Requirements: The program requires a total of 84 semester hours. Up to 30 semester hours can be counted from a previously awarded master's degree. After a master's degree, the students must complete a minimum of 30 semester hours, 12 hours of research, plus 12 hours of dissertation research for a total of 54 hours. The core competences shall consist of math biology, stochastic modeling, deterministic modeling or computational methods, statistics and probability, and core math skills.

All students are required to complete:

AML 610 Topics in Applied Mathematics for the Life and Social Sciences (3).

AML 611 Research Design and Proposal Writing (3) or approved equivalent.

AML 612 Applied Mathematics for the Life and Social Sciences Modeling Seminar (3) or approved equivalent.

AML 613 Probability and Stochastic Modeling for the Life and Social Sciences (3) or approved equivalent.

A course in Theory of Statistics or advanced Biostatistics (3).

Applied Mathematical Analysis or Mathematical Methods (3), this includes topics in advanced calculus, complex variables, advanced linear algebra and ODE's and PDE's.

Remaining electives are selected from an approved list. Students must also demonstrate competency in a computer programming or modeling language. This can be done either by course work or practical applications or both. Due to the interdisciplinary nature of the program, students are encouraged to propose to the Executive Committee additional courses from any ASU unit as possible electives.

The degree policies and procedures are designed to promote degree completion in three years for those entering with a master's degree, and no more than five years for those entering directly from the bachelor's degree. These timelines are to be considered goals contingent on the individual circumstances and educational aspirations of the student. There are three different timeline tracks: post-bachelors full-time, post-master's full time, and post-master's half-time. Students are required to follow the timelines as closely as possible. The half-time track is only available to those who have a master's in an area that provides basic background in a relevant subject area (e.g., in applied mathematics, biology, sociology), and students must have the approval of both their major professor and the executive committee to be on the half-time track.

- Within the first year, and ideally in the first semester, the student selects a temporary major professor who is an affiliate of the applied mathematics for the life and social sciences program. The major professor is affirmed no later than the end of the 3rd semester.
- When a student selects a supervisory committee, there must be three or more members, and the committee must be approved by the executive committee and the ASU Graduate College.
- There are three tracks a student can concentrate in
 1. Life sciences—focus on understanding the tools for representing the structure and operation of complex biological and ecological processes.
 2. Social sciences—focus on understanding the tools for representing the structure and operation of complex social systems and processes.
 3. Applied mathematics—more in depth focus on the tools themselves as applied to the life and social sciences, i.e., on dynamical systems, computational and numerical methods, simulation and mathematical analysis.

The choice should be reflected in the choice of classes and the research topic chosen. Appropriate balance is by oversight and subject to approval by the graduate committee. A minimum competency in biology and social sciences is expected. To demonstrate this at least four of the electives will consist of two graduate courses in the areas of life sciences—evolutionary biology, molecular biology, genetics, physiology, etc., and two in the social—sociology, geography, demography, anthropology,

etc., (for post-master's students these credits can be fulfilled with courses taken prior to entry into the program, subject to approval).

- In the first semester, the student prepares a program of study that addresses all the course requirements, to be approved by their temporary major professor. This program of study is revised if necessary, and then approved by the full formal supervisory committee by the time the student completes 27 hours in their program or no later than the end of the second year whichever comes first.
- Based on their track timeline, the student prepares for the doctoral comprehensive exam and a written doctoral prospectus that must be defended in an oral exam. At the completion of all requirements, including any computer language requirements, the student is advanced to candidacy.
- Students write a research-based dissertation, which must be approved by their committee. The dissertation must be presented in an oral public defense. Because of the program's emphasis on use-inspired research, the dissertation should include a perspective or component that addresses the relevance of the research to society.
- Students must maintain a 3.20 average GPA in their courses and complete degree requirements per the program's satisfactory progress policy.
- No more than six hours of 400-level courses may be counted toward the degree.

Admission Requirements: Entry level competencies: Prior to admission, students should have completed, at a 300 or 400 level a minimum of

1. 15 hours of mathematics and/or statistics,
2. a total of 9 hours of life sciences and social sciences coursework at the senior or college graduate level, and
3. no less than three hours each of life sciences and social sciences coursework. Minimum GPA for consideration for admission is a 3.20 on a 4.00 scale for the last two years of study leading to the bachelor's degree.

Students must meet the admissions criteria of the Graduate College.

Admission decisions will be competitive, based on evidence of GRE scores, undergraduate and graduate GPA, letters of recommendation, prior relevant experience and statement of purpose.

Applicants submit:

- An official ASU graduate application.
- Official GRE scores.
- Transcripts of all undergraduate and graduate coursework.
- A statement of purpose outlining career and educational goals,
- Three letters of academic recommendation.

A master's degree in the social sciences (e.g., anthropology, sociology, gender studies, geography), life sciences, or related fields (e.g., biology, genomics, ecology), applied mathematics, mathematics or statistics is preferred. A bachelor's degree in a relevant field from a regionally accredited university is required. Students with master's degrees or coursework in appropriate fields will usually be favored over those with only bachelor's level qualifications. Given the interdisciplinary goals of the program, a diverse pool of students is desirable. Thus, prior training in any one particular field (e.g., applied math or statistics) will not be considered a necessarily better preparation, and selection of applicants will also seek to maintain some diversity based on prior disciplinary training and experiences. However, given the quantitative nature of the degree, fluency in calculus and statistics as well as competency in a computer programming or modeling language will be required.

Asian Languages/Civilizations: Chinese (MA) LACHINAMA

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: http://www.asu.edu/clas/silc/chi/MA_chinese.html | silc@asu.edu | LL 440 | 4809656281 | 0202

Official Degree Awarded: Asian Languages and Civilizations (Chinese) (MA)

Program Description: The Asian languages faculty in the School of International Letters and Cultures offers a graduate program leading to a master of arts degree in Asian Languages and Civilizations-Chinese. In addition to preparing some students for further academic training, the program also helps to prepare students for jobs dealing with China (in such fields as law, business or journalism) and for entrance into professional schools.

Program Requirements: The program of study for the MA degree includes a minimum of 30 semester hours of graduate-level work, as approved by the candidate's supervisory committee and a thesis. The program must include a 500-level Bibliography and Research Methods course offered by the department. When approved by the candidate's supervisory committee, nine hours of advanced-level work in another language or in closely related courses may be included in the program. Students who are primarily interested in teaching at the secondary or community college levels may select a program of study with a concentration in language pedagogy. Students seeking an MA degree in Asian Languages and Civilization should consult with the respective director of graduate studies. In keeping with the idea of in-situ experience as a key ingredient for advanced intellectual understanding, all degree candidates must have spent at least nine continuous months in a Chinese language environment within four years of completing the program.

Admission Requirements: Students interested in applying to the program must submit a Graduate College online application. Candidates for the MA degree should, upon entrance, present the equivalent of an undergraduate major in the language in which the degree is sought. Those who lack this background, but who show strong potential and meet Graduate College admissions requirements, may be admitted to a graduate program on a provisional basis, pending removal of specified deficiencies. These deficiencies must be completed in addition to the regular program of study for the master's degree.

Asian Languages/Civilizations: Japanese (MA) LAJAPANMA

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: http://www.asu.edu/clas/silc/jpn/MA_Japanese | silc@asu.edu | LL 440 | 4809656281 | 0202

Official Degree Awarded: Asian Languages and Civilizations (Japanese) (MA)

Program Description: The Asian languages faculty in the School of International Letters and Cultures offers a graduate program leading to a master of arts degree in Asian Languages and Civilizations--Japanese. In addition to preparing some students for further academic training, the program also helps to prepare students for jobs dealing with Japan (in fields such as law, business or journalism) and for entrance into professional schools.

Program Requirements: The program of study for the MA degree includes a minimum of 30 semester hours of graduate-level work and a thesis, as approved by the candidate's supervisory committee. The program must include a 500-level Bibliography and Research Methods course offered by the department. When approved by the candidate's supervisory committee, nine hours of advanced-level work in another language or in closely related courses may be included in the program.

Students who are primarily interested in teaching at the secondary or community college levels may select a program of study with an area of study in language pedagogy. Students seeking an MA degree in Asian Languages and Civilization should consult with the respective director of graduate studies. In keeping with the idea of in-situ experience as a key ingredient for advanced intellectual understanding, all degree candidates must have spent at least nine continuous months in a Japanese language environment within four years of completing the program.

Admission Requirements: Students interested in applying to this program must submit an online Graduate College application. Candidates for the MA degree should, upon entrance, present the equivalent of an undergraduate major in the language in which the degree is sought. Those who lack this background, but who show strong potential and meet Graduate College admissions requirements, may be admitted to a graduate program on a provisional basis, pending removal of specified deficiencies. These deficiencies must be completed in addition to the regular program of study for the master's degree.

Asian Studies (Grad Certificate) LAASIANCE

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://www.asu.edu/asian> | car@asu.edu | COOR, 6th Floor | 480/965-7184 | 1702

Official Degree Awarded: Asian Studies (certificate) (CERT)

Program Description: The graduate certificate in Asian Studies offers graduate students an interdisciplinary specialization in Asian language and area studies. The certificate is available in two tracks - East Asia (China, Japan and Korea) and Southeast Asia (Indonesia, Laos, Thailand and Vietnam).

Program Requirements: The certificate requires the completion of 18 semester hours distributed among a language requirement, core course requirements, electives and a thesis or capstone project on a topic related to their region of emphasis. Some courses may be applied to both the certificate and the student's degree program.

Admission Requirements: Applicants must submit a Graduate College online application. Graduate students in any discipline may pursue a certificate in Asian Studies in conjunction with their degree programs. This program is also open to students who already hold graduate degrees and have been admitted as nondegree students.

Astrophysics (MS) LAASTPHMS

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://sese.asu.edu> | seseinfo@asu.edu | PSF 686 | 480/965-5081 | 1404

Official Degree Awarded: Astrophysics (MS)

Program Description: The program provides fundamental graduate training in astrophysics to prepare candidates for careers in astrophysics, such as scientific staff positions at government laboratories, teaching at the community college level, technical positions in industry, or further graduate study.

Program Requirements: This degree program requires 30 credit hours and a thesis. Twenty semester hours are structured courses. The student, with the approval of the advisor and supervisory committee (formed upon enrollment), selects courses that make up a coherent program of study. It is normally expected that course work consists of the existing AST 521-522-523 and AST 531-532-533 graduate sequences, which provide comprehensive graduate training in the major fields of astrophysics. These courses are combined with additional work in core fields such as physics or mathematics. Students are expected to exhibit mastery of topics in these core fields, and may be required by their advisor and committee to include such courses in their program of study. Specific course requirements may be waived by the advisor if the student has successfully completed equivalent courses at universities elsewhere. Individual programs of study that include work in related fields may also be designed with advisor approval, subject to the requirements of the ASU Graduate College. MS programs of study also include a minimum of six semester hours of research (AST 592) and thesis credit (at least three of which must be AST 599). ASU Graduate College policies and procedures must also be met for admission to the program as well as for fulfilling the requirements of the degree.

Thesis Requirements: A thesis based on observational, theoretical, laboratory, and/or literature research in Astrophysics is required.

Final Examination: A final oral examination in defense of the thesis is required.

Admission Requirements: Students applying for admission to the MS degree program in Astrophysics must submit scores on the Graduate Record Examination (GRE) Aptitude Test (verbal, quantitative and analytical) and the GRE Aptitude Test. Applicants must also submit official transcripts, three letters of recommendation and a statement of purpose. The deadline for applications for the fall term is January 5. Students must apply using the Graduate College online application.

Astrophysics (PhD) LAASTPHPHD

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://sese.asu.edu> | sese@asu.edu | PS-F 686 | 480/9655081 | 1404

Official Degree Awarded: Astrophysics (PhD)

Program Description: The PhD degree program in Astrophysics is designed to develop creative scholarship and prepare students for professional careers in astrophysics, astronomy or related fields.

Program Requirements: This degree program requires 84 credit hours, a dissertation, a written comprehensive examination, and an oral comprehensive examination. Students may be admitted into the program with a bachelor's or master's degree in a related field. Up to 30 credit hours of master's-level work in a related field can be accepted towards the fulfillment of the PhD requirements. The program of study for the PhD will be selected with the recommendation of the student's supervisory committee, and should include sufficient course work to assure mastery of fields such as classical mechanics, quantum mechanics, statistical physics, electrodynamics, and/or other core subjects in addition to those covered in the six-course core AST sequence. Each program of study must include 24 semester hours of a combination of research and dissertation. ASU, Graduate College policies and procedures must also be met for fulfilling the requirements of the degree.

Foreign Language Requirements: None.

Comprehensive Examination: The student's supervisory committee will determine the content of the comprehensive examination, consisting of a written and an oral examination.

Dissertation Requirements: A dissertation is required that is based on original work demonstrating creativity in research and scholarly proficiency in the subject area.

Final Examination. A final oral examination in defense of the dissertation is required.

Admission Requirements: Applicants must submit a Graduate College online application. Students applying to the PhD degree program in Astrophysics must also submit scores on the GRE Aptitude Test (verbal, quantitative and analytical) and the GRE Physics Aptitude Test. Additionally, applicants must submit official transcripts, three letters of recommendation and a statement of purpose. The application deadline for fall semester is January 5.

Atmospheric Science (Grad Certificate) LAATMOSCE

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://geography.asu.edu/atmocert/> | abrazel@asu.edu | COOR 5586 | 480/965-7533 | 0104

Official Degree Awarded: Atmospheric Science (certificate) (CERT)

Program Description: "The interdisciplinary certificate program in Atmospheric Science is administered by an Executive Committee composed of faculty from the Ira A. Fulton School of Engineering and the College of Liberal Arts and Sciences. The objective of this program is to recognize ASU graduate students who specialize in a thesis or dissertation topic related to the atmospheric or oceanic sciences. A minimum of 16 semester hours consisting of three core courses and two electives, plus a capstone seminar (one semester hour), are required to complete the certificate. Students must also complete a dissertation on a topic related to the atmospheric or oceanic sciences under the supervision of a faculty member from one of the cooperating departments. A full description of the program is available on the Web at geography.asu.edu/atmocert.

Audiology (AuD) LAAUDAUD

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://shs.asu.edu> | shsgrad@asu.edu | Coor 2211 | 480/9652374 | 0102

Official Degree Awarded: Audiology (AuD)

Program Description: The Doctor of Audiology (AuD) degree program is designed to prepare audiologists for autonomous clinical practice. The clinical doctorate model at ASU stresses the integration of academic classroom learning and practical experience across a broad spectrum of clinical specialties and practice environments.

Program Requirements: The AuD program is designed for full-time students over a period of 45 months, including four fall and four spring semesters and three summers. The four-year course of study includes both academic and clinical practicum components. The AuD program requires a minimum of 101 semester hours, of which 66 are required academic credits provided through the Department of Speech and Hearing Science, and 35 are required clinical credits. Graduation Requirements: Eligibility for graduation is based upon the following: successful completion of 66 semester hours of required academic course work, successful completion of 35 semester hours of clinical experiences, and achieving a passing score on the ASHA Praxis national certification examination in audiology.

Admission Requirements: An applicant to the AuD program must hold a baccalaureate degree in Speech and Hearing Science or another discipline. All applicants must also have a cumulative GPA of 3.00 or higher and a GRE score of 1000 or higher (total of verbal and quantitative tests). Applicants are to submit official transcripts, GRE scores, three letters of recommendation, and a statement of intent containing evidence of proficiency in written communication. All application materials must be submitted to the Graduate Admissions office by January 15; enrollment begins in the fall semester only.

Biochemistry (MS) LABIOCHMS

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://chemistry.asu.edu/graduate> | chmgrad@asu.edu | PS D102 | 4809654664 | 1604

Official Degree Awarded: Biochemistry (MS)

Program Description: The faculty in the Department of Chemistry and Biochemistry offer a program leading to the MS degree in Biochemistry. The program offers a wide range of active research with an emphasis on contemporary and interdisciplinary study in the areas of biochemistry, life sciences and other biochemistry related fields. Drug design and protein chemistry, nanobiotechnology, biogeochemistry, medicinal chemistry and RNA-protein interactions are a few of the many topics currently being researched. See the Department of Chemistry and Biochemistry Web site (http://chemistry.asu.edu/graduate/facultyResearch_grad.asp) for information on faculty research and the state-of-the art facilities available for conducting high quality investigations. The MS in Biochemistry prepares students for professional careers in industry, government and educational institutions.

Program Requirements: A minimum of 30 semester hours, including course work, seminars, research, and thesis, are required. Courses are selected by the student in consultation with his/her supervisory committee based on the research area. The MS degree in Biochemistry is awarded when the student has obtained a cumulative GPA of 3.00 in course work, demonstrated quality performance in the laboratory and completion of his/her research project, completed a successful theses oral defense, and has met all deadline dates and requirements set by the Graduate College.

Admission Requirements: All students applying for admission to the program must submit scores for the Graduate Record Examination.

Biochemistry (Medicinal Chemistry) (MS) LABCHMCMS

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://chemistry.asu.edu/graduate/> | chmgradl@asu.edu | PS D 102 | 480/965-4664 | 1604

Official Degree Awarded: Biochemistry (Medicinal Biochemistry) (MS)

Program Description: The faculty in the Department of Chemistry and Biochemistry offer a program leading to the MS degree in Biochemistry with a concentration in medicinal chemistry. This program is intended for students who plan to continue their educational training in pharmacy, Medical school or a related field and want to expand their background knowledge in biochemistry before beginning their professional education. Students completing the program will be awarded a

MS in Biochemistry degree with a oncentration in medicinal chemistry.

Program Requirements: A minimum of 30 semester hours, including course work, seminars, research, and an applied project consisting of a written research paper, and a capstone course are required. Courses are selected by the student in consultation with his/her supervisory committee based on the research area. The MS degree in Biochemistry is awarded when the student has obtained a cumulative GPA of 3.00 in course work, demonstrated quality performance in the laboratory and completion of his/her research project, completed and presented an approved research paper at an oral defense to the student's Supervisory Committee, and has met all deadline dates and requirements set by the Graduate College.

Admission Requirements: All students applying for admission to the program must meet the requirements set by the Graduate College which can be found on Graduate College Web site. Applicants must also submit original scores for the Graduate Record Examination. The subject test is not required. Application to the Department of Chemistry and Biochemistry includes the completion of electronic Supplemental Application providing information on test scores, a personal statement and contact information for three letters of recommendation.

Biochemistry (PhD) LABIOCHPHD

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://chemistry.asu.edu/graduate/> | chmgrad@asu.edu | PS D102 | 4809654664 | 1604

Official Degree Awarded: Biochemistry (PhD)

Program Description: The faculty in the Department of Chemistry and Biochemistry offer a program leading to the PhD degree in Biochemistry. The program offers a wide range of active research with an emphasis on contemporary and interdisciplinary study in the areas of biochemistry, life sciences and other biochemistry related fields. Drug design and protein chemistry, nanobiotechnology, biogeochemistry, medicinal chemistry and RNA-protein interactions are a few of the many topics currently being researched. See the Department of Chemistry and Biochemistry Web site (http://chemistry.asu.edu/graduate/facultyResearch_grad.asp) for information on faculty research and the state-of-the art facilities available for conducting high quality investigations. The PhD in Biochemistry prepares students for professional careers in industry, government and educational institutions.

The faculty also participate in the interdisciplinary program leading to the PhD degree with a major in Molecular and Cellular Biology (see Molecular and Cellular Biology)

Program Requirements: A minimum of 84 semester hours, including course work, seminars, research, and dissertation are required. Courses are selected by the student in consultation with his/her supervisory committee based upon research area. A Doctoral Comprehensive Examination, consisting of both a written and oral presentation of current research and an original research proposal is required for advancement to candidacy. The PhD degree in Biochemistry is awarded when the student has obtained a cumulative GPA of 3.00 in course work, demonstrated quality performance in the laboratory and completion of his/her research project, evidence of a publishable contribution of original research, completed a successful dissertation oral defense, and has met all deadline dates and requirements set by the Graduate College.

Admission Requirements: All students applying for admission to the program must meet the requirements set by the Graduate College which can be found on Graduate College Web site (<http://graduate.asu.edu/admissions/index.html>). Applicants must also submit original scores for the Graduate Record Examination. The subject test is not required. Application to the Department of Chemistry and Biochemistry includes the completion of an electronic Supplemental Application providing information on test scores, a personal statement and contact information for three letters of recommendation. Information on the Supplemental Application can be found at: <http://chemistry.asu.edu/graduate/applicantInfo.asp>.

Information on the PhD degree in Biochemistry program can be found on the Department of Chemistry and Biochemistry Web site at: <http://chemistry.asu.edu/graduate/>.

Biology (Biology and Society) (MS) LABIOSMS

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: http://sols.asu.edu/grad/bio_soc.php | sols.grad.asu.edu | Life Sciences C, Rm 226 | 480/965-2349 | 4601

Official Degree Awarded: Biology (Biology and Society) (MS)

Program Description: Within the Biology degree programs, students may choose a formal concentration in the areas where Biology intersects with Society. This includes especially BPL: Bioethics, Policy, and Law, which trains students in the pressing moral, policy, and legal issues raised by the biosciences and biomedicine and in the disciplinary methods necessary to address these issues; and HPS: History and Philosophy of Science, which trains students in the conceptual foundations of science, including especially the epistemological and methodological assumptions that shape science and its progress. The program is richly interdisciplinary, drawing from biology, history and philosophy of science, religious studies, history, philosophy, political science, justice studies, nursing, law, health administration of policy, anthropology and other disciplines to develop skills for analyzing and addressing the problems where biology intersects with society. The concentration tailors individual programs of study to individual needs and interests, with a solid grounding in the life and related sciences and with rigorous analytical and multidisciplinary education. The two tracks offer suggestions for those wishing to focus on these areas.

Biology (Biology and Society) (PhD) LABIOSPHD

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: http://sols.asu.edu/grad/bio_soc.php | sols.grad.asu.edu | Life Sciences C, Rm 226 | 480/965-1768 | 4601

Official Degree Awarded: Biology (Biology and Society) (PhD)

Program Description: Within the biology degree programs, students may choose a formal concentration in the areas where biology intersects with society. This includes Bioethics, Policy and Law (BPL) which trains students in the pressing moral, policy and legal issues raised by the biosciences and biomedicine and in the disciplinary methods necessary to address these issues; and History and Philosophy of Science (HPS) which trains students in the conceptual foundations of science, including the epistemological and methodological assumptions that shape science and its progress. The program is richly interdisciplinary, drawing from biology, history and philosophy of science, religious studies, history, philosophy, political science, justice studies, nursing, law, health administration of policy, anthropology and other disciplines to develop skills for analyzing and addressing the problems where biology intersects with society. The concentration tailors individual programs of study to individual needs and interests, with a solid grounding in the life and related sciences and with rigorous analytical and multi-disciplinary education. The two tracks offer suggestions for those wishing to focus on these areas.

Program Requirements:

Required Semester Credit Hours: 84

Required Examinations: Oral and written comprehensive examinations

Required Culminating Experience: Dissertation

Admission Requirements: The Biology and Society concentration, within the biology doctoral program admits one cohort annually for programs of study that begin in the fall semester. The deadline for applications is December 15 for students wishing to begin a program of study the following August. There is no guarantee that applications received after December 15 will be reviewed. The biology Ph.D. program usually notifies applicants of admissions status no later than the following April 15. Top candidates are usually interviewed prior to admission to the program. Please check out our (http://sols.asu.edu/grad/apply_tips.php) tips on applying for graduate study in the School of Life Sciences for additional information.

Initiate an online ASU Graduate Admissions Application (<http://graduate.asu.edu>).

1. Select "Sciences (Life, Natural, Physical and Chemical)" as your degree program category.
2. Select "Tempe" as your degree program campus.
3. Select "Biology Ph.D. Degree" as your degree program.
4. Identify the specific biology program faculty member(s) you are interested in working with. This will ensure that these faculty members see your application and can participate in admissions and funding decisions.
5. Download and print three copies of the School of Life Sciences Recommendation Form. (http://sols.asu.edu/grad/pdf/recommend_form.pdf)
 - A. Complete and sign the top portion of each form.
 - B. Give one form to each of the three persons who will be writing your letters of recommendation.
 - C. Ask the letter writers to mail paper copies of both the form and their letters of recommendation to:

Graduate Programs
School of Life Sciences
Biology Ph.D. Program
Arizona State University
P.O. Box 874601
Tempe, AZ 85287-4601

6. Prepare and upload the School of Life Sciences Academic Record Form (http://sols.asu.edu/grad/pdf/academic_record_form.doc).

International Students: Students applying from outside of the U.S. will need to submit additional documents (<http://graduate.asu.edu/admissions/international.html>). Students from countries whose native language is not English must provide evidence of English proficiency with acceptable scores on the TOEFL or IELTS. TOEFL and IELTS scores must be current, with the test date within two years of the first day of classes of the semester you enroll at ASU. Students who wish to attend ASU while holding a student visa (F-1 or J-1) will need to submit a Financial Guarantee Form (<http://graduate.asu.edu/f1j1applicants.html>).

Biology (MNS) LALIFE2MNS

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://sols.asu.edu/grad/igels/> | sols.grad@asu.edu | LSC 226 | 4809651768 | 4601

Official Degree Awarded: Natural Science (Biology) (MNS)

Program Description: The School of Life Sciences participates in the program leading to the MNS degree when one of the concentrations is Biology, Microbiology or Plant Biology. This interdisciplinary degree is designed to meet the needs of professionals seeking a graduate-level degree.

Program Requirements: This degree program requires 30 semester hours, a written comprehensive examination and/or oral comprehensive examination. A thesis option is available. Students are expected to emphasize course work in two or more areas of concentration. The program must be interdisciplinary. The supervisory committee, consisting of three faculty members, is appointed by the dean of the Graduate College upon the recommendation of the chair of the academic unit in which the graduate advisor serves as a faculty member. The composition of the supervisory committee must reflect the interdisciplinary nature of the program. A program of study is recommended by the supervisory committee after conferring with the student. The minimum number of semester hours required for the degree is 30. More may be required by the supervisory committee, depending upon the background of the student and the nature of the proposed program. In some cases undergraduate courses may be required to remove deficiencies. A thesis is optional. A final written or oral examination, or both, is required. Each examination is administered by the supervisory committee.

Admission Requirements: Applicants must submit a Graduate College online application.

Admission criteria are as follows: a 3.0 minimum GPA during the student's last two years or last 60 semester hours; minimum GRE scores in verbal (50th percentile), quantitative (70th percentile) and writing (5); and TOEFL scores of 250 computer, 600 paper or 100 internet. A GRE subject score of 60th percentile for BS holders or 80th percentile for MS holders is recommended but not required.

Biology (MS) LABIOMS

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://sols.asu.edu/grad/igels/> | sols.grad@asu.edu | LS C226 | 4809651768 | 4601

Official Degree Awarded: Biology (MS)

Program Description: This program is designed to prepare students for careers in teaching and research in educational, Medical, industrial, and governmental institutions.

Program Requirements: The program of each student is prepared in consultation with the supervisory committee, consisting of a major professor and two additional faculty members. A minimum of 30 semester hours is required. The program must include six hours of thesis and one hour of seminar. The remainder of the program of study usually consists of (1) a mixture of course work, readings and conference, and seminars in the student's primary field and related fields and (2) research credits. Courses and research credits can be distributed in any combination appropriate to the student's individual educational goals. A typical program of study consists of six semester hours of thesis, one semester hour of seminar, nine to 15 hours of course work and additional seminars, and eight to 14 semester hours of research credit. A final oral examination covering the thesis and related subject matter is administered by the supervisory committee.

Admission Requirements: Applicants must submit a Graduate College online application. Admission criteria are as follows: Applicants should have completed the requirements for an undergraduate major in biology or related discipline; a 3.00 minimum GPA during the student's last two years or last 60 semester hours; minimum GRE scores in verbal (50th percentile), quantitative (70th percentile), and writing (5); and TOEFL scores of 250 computer, 600 paper, or 100 Internet.

Biology (PhD) LABIOPHD

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://sols.asu.edu> | sols.grad@asu.edu | LS C226 | 4809651768 | 4601

Official Degree Awarded: Biology (PhD)

Program Description: The PhD degree program in Biology allows the student to acquire high research competency in one or more specialized areas while receiving a broad, solid grounding in biological sciences.

Program Requirements: The program of study is planned by the student and the supervisory committee, consisting of a major professor and four additional faculty members. The program is tailored to the needs of the individual student. Eighty-four semester hours are required. Twelve hours of dissertation are required and the remaining hours are comprised of course work showing breadth in biology subdisciplines, seminars, and research. An oral comprehensive exam is required in order to advance to candidacy, and a formal defense of the final written dissertation is required prior to graduation.

Admission Requirements: Applicants must submit a Graduate College online application. Admission criteria are as follows: Applicants should have completed the requirements for an undergraduate major in the biology, or related discipline, with an adequate background in related courses in chemistry, mathematical and physical sciences; a 3.00 minimum GPA during the student's last two years or last 60 semester hours; minimum GRE scores in verbal (50th percentile), quantitative (70th percentile), and writing (5); and TOEFL scores of 250 computer, 600 paper, or 100 internet. A GRE subject exam, with a score of 60th percentile for BS holders or 80th percentile for MS holders, is strongly recommended.

Chemistry (MNS) LACHEMMNS

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://chemistry.asu.edu/graduate/applicantInfo.asp> | chmgrad@asu.edu | PS D 103 | 4809654664 | 1604

Official Degree Awarded: Natural Science (Chemistry) (MNS)

Program Description: The Master of Natural Science degree in Chemistry offers the opportunity for interdisciplinary graduate training in the natural sciences (biological sciences, mathematics and physical sciences) and cognate (related) areas. The program emphasizes professional training rather than research and is designed as an individualized professional graduate program based on the background and goals of the student.

Program Requirements: A minimum of 30 semester hours, including course work, seminars, research, and an applied project are required. The student must complete four graduate-level courses, two within the Department of Chemistry and two from a related discipline which supports the students' academic goals. The MNS degree in Chemistry is awarded when the student has obtained a cumulative GPA of 3.00 in course work, and completes a preapproved project agreed on by the student and his/her supervisory committee members. The culminating experience may include a short literature review paper or report of a project presented in both a written form and an oral presentation before the student's supervisory committee. The student must meet all deadline dates and requirements set by the Graduate College.

Admission Requirements: APPLICATIONS ARE NOT BEING ACCEPTED AT THIS TIME.

Chemistry (MS) LACHEMMS

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://chemistry.asu.edu/graduate> | chmgrad@asu.edu | PS D102 | 4809654664 | 1604

Official Degree Awarded: Chemistry (MS)

Program Description: The faculty in the Department of Chemistry and Biochemistry offer a program leading to the MS degree in Chemistry. Areas of study include analytical chemistry, biochemistry, geochemistry, inorganic chemistry, organic chemistry, physical chemistry, chemical education, and solid-state chemistry. Environmental chemistry, photosynthesis and photo chemistry, organic and inorganic synthesis, dynamics of liquids and glasses, genome analysis, theoretical chemistry and nanomaterials and functional semiconductors are a few of the many topics currently being researched. See the Department of Chemistry and Biochemistry Web site (http://chemistry.asu.edu/graduate/facultyResearch_grad.asp) for information on faculty research and the state-of-the art facilities available for conducting high quality investigations. The MS in Chemistry prepares students for professional careers in industry, government and educational institutions.

Program Requirements: A minimum of 30 semester hours, including course work, seminars, research, and dissertation, are required. Courses are selected by the student in consultation with his/her supervisory committee based upon research area. The MS degree in Chemistry is awarded when the student has obtained a cumulative GPA of 3.00 in course work, demonstrated quality performance in the laboratory and completion of his/her research project, completed a successful thesis oral defense, and has met all deadline dates and requirements set by the Graduate College.

Admission Requirements: All students applying for admission to the program must meet the requirements set by the Graduate College which can be found on Graduate College Web site (<http://graduate.asu.edu/admissions/index.html>). Applicants must also submit original scores for the Graduate Record Examination. The subject test is not required. Application to the Department of Chemistry and Biochemistry includes the completion of an electronic Supplemental Application providing information on test scores, a personal statement and contact information for three letters of recommendation. Information on the Supplemental Application can be found at: <http://chemistry.asu.edu/graduate/applicantInfo.asp>.

Information on the MS degree in Biochemistry program can be found on the Department of Chemistry and Biochemistry Web site at: <http://chemistry.asu.edu/graduate/>.

Chemistry (PhD) LACHEMPHD

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://chemistry.asu.edu/graduate> | chmgrad@asu.edu | PS D102 | 4809654664 | 1604

Official Degree Awarded: Chemistry (PhD)

Program Description: The faculty in the Department of Chemistry and Biochemistry offer a program leading to the PhD degree in Chemistry. Areas of study include analytical chemistry, biochemistry, geochemistry, inorganic chemistry, organic chemistry, physical chemistry, chemical education, and solid-state chemistry. Environmental chemistry, photosynthesis, photo chemistry, organic and inorganic synthesis, dynamics of liquids and glasses, genome analysis, theoretical chemistry and nanomaterials and functional semiconductors are a few of the many topics currently being researched. See the Department of Chemistry and Biochemistry Web site (http://chemistry.asu.edu/graduate/facultyResearch_grad.asp) for information on faculty research and the state-of-the art facilities available for conducting high quality investigations. The PhD in Chemistry prepares students for professional careers in industry, government and educational institutions.

Program Requirements: A minimum of 84 semester hours, including course work, seminars, research, and dissertation, are required. Courses are selected by the student in consultation with his/her supervisory committee based upon research area. A doctoral comprehensive examination consisting of both a written and oral presentation of current research and an original research proposal is required for advancement to candidacy. The PhD degree in Chemistry is awarded when the student has obtained a cumulative GPA of 3.00 in course work, demonstrated quality performance in the laboratory and completion of his/her research project, evidence of a publishable contribution of original research, completed a successful dissertation oral defense, and has met all deadline dates and requirements set by the Graduate College.

Admission Requirements: All students applying for admission to the program must meet the requirements set by the Graduate College which can be found on the Graduate College Web site. Applicants must also submit original scores for the Graduate Record Examination. The subject test is not required. Application to the Department of Chemistry and Biochemistry includes the completion of an electronic Supplemental Application providing information on test scores, a personal statement and contact information for three letters of recommendation. Information on the Supplemental Application can be found at: <http://chemistry.asu.edu/graduate/applicantInfo.asp>.

Information on the PhD degree in Chemistry program can be found on the Department of Chemistry and Biochemistry website at: <http://chemistry.asu.edu/graduate/> (click ' Program Overview).

Communication (MA) LACOMMOMA

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://www.asu.edu/clas/communication/> | communication@asu.edu | STA 412 | 4809655095 | 1205

Official Degree Awarded: Communication (MA)

Program Description: Faculty in the Hugh Downs School of Human Communication offer a program leading to the MA degree in Communication. Current areas of study within the major are intercultural communication, interpersonal communication, performance studies, organizational communication, and rhetorical studies.

Program Requirements: The program consists of a minimum of 30 semester hours of graduate course work, which includes six semester hours of thesis credit. All students must successfully complete the following:

1. COM 501 Research Methods in Communication with a minimum grade of "B" (3.00);
2. COM 504 Theories and Models in Communication with a minimum grade of "B" (3.00);
3. at least one of the following three courses: COM 508 Quantitative Research Methods in Communication, COM 509 Qualitative Research Methods in Communication, or COM 521 Rhetorical Criticism of Public Discourse with a minimum grade of "B" (3.00);
4. at least three content seminars (COM courses numbered 691);
5. a written comprehensive examination on theory and methodology, and an area of study (an oral examination may be required); and
6. a thesis, which is an account of original research, and an oral examination in defense of the thesis.

Admission Requirements: Admission is competitive, based upon evidence of the applicant's scholarly and research abilities. All applicants must submit the following:

2. a Graduate College application, completed either online or on paper, along with official undergraduate and graduate transcripts;
3. a statement of professional goals (approximately 500 words);
4. Graduate Record Examination scores (verbal, quantitative, and analytical writing) taken within the past five years, plus other relevant test data provided by the applicant;
5. three letters of recommendation prepared within the preceding 12 months;
6. a writing sample; and
7. all applicants whose native language is not English must submit TOEFL scores; minimum scores are 600 on the paper and pencil version of this test or 250 on the computer version of this test.

A completed application for admission and official transcripts of all undergraduate and graduate work must be submitted to the Graduate Admissions Office. See Admission to the Graduate College, for Graduate College general requirements. All application materials must be received by February 1. Late applications cannot be considered.

Communication (PhD) LACOMMOPHD

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://www.asu.edu/clas/communication/> | communication@asu.edu | STA 412 | 4809655095 | 1205

Official Degree Awarded: Communication (PhD)

Program Description: The committee of faculty offers an interdisciplinary graduate program leading to the PhD degree in Communication. Concentrations are available in communicative development, intercultural communication, and organizational communication.

The program is housed in the Hugh Downs School of Human Communication and is designed to prepare scholars for research-oriented careers in universities and in the public or private sectors. Students are provided training in communication theory, research methodology, and a specialization in one or more areas of concentration. The goal of the program is to meet the needs of students whose interests transcend traditional disciplinary boundaries.

Program Requirements: This degree program requires 96 credit hours, a dissertation, a written comprehensive examination, and an oral comprehensive examination. If the student has completed an appropriate master's degree, the PhD requires a minimum of 66 hours beyond the master's degree. Course work for a typical program of study is distributed as follows: required core courses (nine semester hours), area of concentration (33 semester hours), dissertation (COM 799) and research (COM 792) (24 semester hours) for a total of 66 hours (minimum). Up to 12 semester hours of research (COM 792) may be taken before admission to candidacy. Three interdisciplinary theory and methodology courses are required of all students entering the program. The required theory course is COM 604 Theory Construction in Communication. Students are required to take three semester hours of COM 792 R: Prospectus/Dissertation Practicum and three semester hours of COM 792 R: Seminar Assistant. In addition, students must take two of the three advanced methods courses, which consist of COM 607 Contemporary Rhetorical Methods, COM 608 Multivariate Statistical Analysis of Data in Communication, and COM 609 Advanced Qualitative Research Methods in Communication.

The student is also required to demonstrate proficiency in research methods (statistics, computer languages, content analysis methods, participant observation, etc.) which, in the judgment of the supervisory committee, is needed for the student's dissertation research. Evidence of required proficiency may be demonstrated by established university examination procedures or by successful completion of a sequence of courses designated by the student's program committee.

The initial course work for students admitted with only a bachelor's degree is similar to the MA degree requirements in Communication except that no thesis is required. These requirements include a general overview of research in communication (COM 501), an overview of theories and models of communication (COM 504), a statistics course (COM 508), and electives from communication or other disciplines to total 24 hours of course work. The methods, theory, and statistics courses must be completed before beginning the required theory and methodology sequence for the PhD (i.e., they are prerequisites for the required courses).

Admission Requirements: Applicants must submit a Graduate College online application.

Communication Disorders (MS) LACOMDISMS

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://shs.asu.edu/> | shsgrad@asu.edu | Coor 2211 | 4809652374 | 0102

Official Degree Awarded: Communication Disorders (MS)

Program Description: The faculty in the Department of Speech and Hearing Science offer a program leading to the MS degree in Communication Disorders. Thesis and nonthesis degree options are available. The speech-language pathology program is accredited by the Council on Academic Accreditation of the American Speech-Language-Hearing Association.

Program Requirements: This degree program requires 39 semester hours of graduate course work, exclusive of credit for practicum, as approved by the supervisory committee.

Clinical Requirements: A student in the MS program must complete at least 375 clock hours of supervised clinical practicum experience, plus 25 observation hours. A minimum of 325 clock hours must be obtained at the graduate level.

Thesis Option: Students wishing to pursue the thesis option must complete 39 semester hours of course work, six hours of which must be thesis credit, excluding practicum and internship hours. The thesis must meet requirements established by the Graduate College.

Nonthesis Option: Students choosing the nonthesis option must complete 39 semester hours of course work, excluding practicum and internship hours.

Final Examinations: For the MS degree (thesis option), two final examinations are required: (1) the ASHA Praxis national certification examination in speech-language pathology, and (2) an oral defense of the thesis. For a candidate for the MS degree (nonthesis option), only the ASHA Praxis national certification examination in speech-language pathology is required.

Students should expect to spend two years completing the academic, practicum, and research requirements for either degree option.

Admission Requirements: Applicants must submit a Graduate College online application. Students applying for admission to this program should have their undergraduate transcripts, Graduate Record Examination scores, a statement of professional and academic goals not to exceed 200 words, and three letters of recommendation mailed to the Graduate Admissions Office. All materials must be received by January 15 for fall admission, which is the only term in which students may begin their program of study. Candidates who have undergraduate deficiencies may need to take required prerequisite courses.

Computational Biosciences (PSM) LACOMBIPSM

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://math.asu.edu/~cbs/> | cbs@math.asu.edu | PSA 216 | 480/965-9792 | 1804

Official Degree Awarded: Computational Biosciences (PSM)

Program Description: Participating faculty from the colleges, departments, and schools of Biomedical Informatics, Chemistry and Biochemistry, Computer Science and Engineering, Electrical Engineering, Industrial Engineering, Life Sciences, Mathematics and Statistics, Physics, and Quantitative Business Analysis offer a program leading to the Professional Science Master's (PSM) degree in Computational Biosciences.

The disciplines of the life sciences are rapidly requiring more mathematical and computational analyses than have typically been employed. While some mathematical approaches have been applied to biological questions for many years, the advance in computational capability has increased the pace of bioscience research to unprecedented levels of speed, precision, and detail, and thus dramatically transformed the kinds of problems tackled. The PSM degree serves to produce students capable of meeting the demands of today's bioinformatics/biomedical industries.

Program Requirements: This degree program requires 42 credit hours and an applied project. The master's program requires a total of 30 semester hours of course work and an additional six hours for internship or further advanced study and six semester hours of graduate-level study on professional issues in biotechnology for a total of 42 semester hours of study. The core program is followed by electives designed around the specific interest of the student.

Core Program

- CBS 520 Modeling and Computational Biology (4)
- CBS 521 Applications and Complex Problem Solving in Computational Biology (4)
- CBS 530 Introduction to Structural and Molecular Biology (4)
- CBS 584 Internship (6)
- CBS 598 ST: Experimental Design (3)
- CBS 598 ST: Multivariate Statistical Analysis (3)

Professional Portion

- CBS 598 ST: Business Issues and Ethics I (3)
- CBS 598 ST: Business Issues and Ethics II (3)

Admission Requirements: Applicants must submit a Graduate College online application. In addition to the minimum requirements for admission established by the Graduate College, the interdisciplinary nature of this program makes individual aptitudes and experiences important with regard to a student's competitive status.

Computational Biosciences - Mathematics Department (PhD) LACOMPBP

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://math.asu.edu> | grad@math.la.asu.edu | PSA 216 | 480/965-3951 | 1804

Official Degree Awarded: Mathematics (Computational Biosciences) (PhD)

Program Description: The PhD in Computational Biosciences is designed such that graduates of the program will be able to transition immediately into the computational biosciences workforce with strong quantitative, computational and life science skills. The concentration in computational biosciences augments the mathematics PhD with a truly interdisciplinary program. It broadens the opportunities for students to take on a completely interdisciplinary doctoral training, while also maintaining a disciplinary focus to their studies. There is increasing emphasis nationally and locally on developments in the quantitative biological sciences. Crucial to future developments in life sciences is a well-trained workforce competent at the interface of the disciplines of life sciences and mathematics, with the skills for translation of biological phenomena into models for rigorous mathematical study. Graduates of this program have a strong interdisciplinary training and will become future leaders of the field. They take courses from mathematics, computer science, and life sciences, and their thesis is on an area which crosses these disciplines. All students are co-advised by faculty from mathematics and the school of life sciences.

Program Requirements: This degree program requires 84 semester hours, a dissertation, a written comprehensive examination and an oral comprehensive examination. A standard doctoral degree program at ASU comprises 84 hours of study, of which 12 hours (and only 12) are for the dissertation, and of which 30 hours may be applied from an appropriate master's degree.

Students must satisfy core components of the computational biosciences concentration. See website for detailed information.

Admission Requirements: Applicants must submit the Graduate College online application. Students are required to have satisfied courses in mathematics, statistics, biology, chemistry and computer science prior to admission to the program. Students are encouraged to plan early for admission to the program in order to allow completion of any deficiencies. Courses are available at ASU, some during the two summer sessions. Students with a limited number of deficiencies may be conditionally admitted to the program, if it is likely that the deficiencies can be completed prior to admission or concurrently with core courses of the program in at most one semester. If a student has completed courses equivalent to the following listed courses at ASU, they have satisfied conditions for regular admission to the program at ASU. Please note that there are prerequisites required for each of these courses.

Program Prerequisites

- BIO 340 General Genetics
- BIO 353 Cell Biology
- CHM 231 Elementary Organic Chemistry
- BCH 361 Principles of Biochemistry
- MAT 275 Modern Differential Equations
- STP 420 Introductory Applied Statistics
- CSE 205 Concepts of Computer Science and Data Structures

Creative Writing (MFA) LACWRITMFA

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://www.asu.edu/english/creativewriting> | karla.elling@asu.edu | LL C315 | 480/965-3528 | 0302

Official Degree Awarded: Creative Writing (MFA)

Program Description: Faculty of the Creative Writing Committee offer an interdisciplinary Master of Fine Arts degree in Creative Writing. The program is offered jointly by the Department of English in the College of Liberal Arts and Sciences and the School of Theatre and Film in the Katherine K. Herberger College of the Arts.

One of the unique features of this interdisciplinary program is that, because it utilizes faculty research, creative activity, and teaching interests of two academic units, a student may tailor a course of study to fit individual needs, talents, and goals. The Department of English administers the program and reviews the applications for admission. In the English Department, the studio/academic program requires poets and prose writers to divide work equally between writing workshops and literature

courses. This flexible curriculum allows candidates time to study with several gifted writers and scholars in a stimulating atmosphere, time to get quality advice on writing, and time to explore and develop their talents. In the School of Theatre and Film, the studio/academic program emphasizes the collaborative process of playwriting. Working with actors, directors and playwrights in workshop settings include informal readings, staged readings, and workshop production of student plays.

Program Requirements: The MFA in Creative Writing degree program requires 48 credit hours, a practicum, and a written comprehensive examination. In poetry and fiction, the program of study requires a minimum of 48 semester hours of graduate credit approved by the student's supervisory committee, the director of the Creative Writing Committee, and the dean of the Graduate College. Of these, 24 semester hours must be creative writing courses and must include nine semester hours of ENG 580, and nine semester hours of any combination of ENG 562, 563, 594, 598, 662, 663, and 664. The course 594 Conference and Workshop may be taken twice to varied offerings. The literature component of 24 semester hours must include ENG 591, 665, and two ENG courses in literature selected by the student's supervisory committee or the director of the creative writing committee such as ENG 667. In playwriting, the program of study requires a minimum of 48 semester hours of graduate credit approved by the student's supervisory committee, the director of the Creative Writing Committee, and the dean of the Graduate College. The program of study must include the following: THP 519 (three semester hours), 560 (15 semester hours), 561 (three semester hours), 598, and 693 (six semester hours). The literature component must include THE 500, 504, 520, and 562.

Admission Requirements: In addition to meeting the general requirements of the Graduate College, applicants should have an undergraduate major in English or Theatre, with a GPA of 3.00 or higher. Applicants who do not have an undergraduate major in English or Theatre may be admitted on the basis of excellent creative and academic work. Deficiencies in undergraduate preparation may be removed while pursuing the MFA degree. Applicants must also submit the following:

1. three letters of recommendation;
2. a professional résumé; and
3. a statement of career goals, including the designation of an area of specialization (options include creative nonfiction, fiction, playwriting, and poetry) and a manuscript sample of one of the following: 30 pages of drama; 20 pages of poetry; 30 pages of prose fiction or creative nonfiction; or 40 total pages of work in two of these literary forms.

English (MA) LAENGLMA

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://www.asu.edu/clas/english/gradstudies/enggrad.htm> | enggrad@asu.edu | LL 543B | 4809653194 | 0302

Official Degree Awarded: English (MA)

Program Description: This degree is designed to provide further cultural and professional advancement for students of English.

Program Requirements: A student may pursue a concentration in comparative literature, English linguistics, literature and language, or rhetoric and composition. All concentrations have a foreign language requirement.

For the concentration in comparative literature, a candidate must complete 36 semester hours of graduate courses, with a minimum of 12 hours being taken in the School of International Letters and Cultures. Included in the hours must be ENG 500 Research Methods; ENG 503 Comparative Literature, Theory, and Practice; and ENG 599 Thesis. A written comprehensive examination is required.

For the concentration in English linguistics, a candidate must complete a minimum of 30 semester hours of graduate-level courses. Two tracks are available. The general linguistics track must include LIN 500, 511, 514, and 515 and one advanced linguistics course. The Applied Linguistics track must include LIN 500; 511 or 514; 515 or 516; and 520 and a course from a selection of advanced linguistics courses. Both tracks require six hours of LIN 599 Thesis. Electives are chosen in consultation with the advisor.

For the concentration in literature and language, a candidate must complete a minimum of 30 semester hours. The hours must include ENG 500 Research Methods; a course in literary theory; ENG 599 Thesis; and a nine-hour distribution requirement. Two courses selected must be graduate seminars at the 600 level. Electives are chosen in consultation with the advisor.

For the concentration in rhetoric and composition, a candidate must complete a minimum of 30 hours of graduate courses. These hours must include ENG 500 Research Methods, a course in rhetoric theory, a course in composition theory, a six-hour thesis, and 15 elective course hours that must include six semester hours of graduate seminars at the 600 level. Electives are chosen in consultation with the advisor.

Admission Requirements: Applicants must submit a Graduate College online application. Applicants for the MA program in English with a concentration in literature are required to have an undergraduate major in English. Those who do not have a major in English are encouraged to register as nondegree students while they take courses in areas of deficiency, as identified by the advisor. Applicants must also submit Graduate Record Examination (GRE) general test scores, three letters of recommendation, a personal statement of aims and purposes, and an academic writing sample.

Applicants for the MA program in English with a concentration in linguistics and with a concentration in rhetoric and composition may have undergraduate majors in fields such as, but not limited to, anthropology, applied linguistics, cognitive science, communication, comparative languages and literatures, education, English literature, history, law, linguistics, modern languages, philosophy, political science, psychology, religion, rhetoric/composition, sociology, and speech and hearing science. Students should consult with an advisor to determine whether their preparation is deficient in any area. Applicants must also submit three letters of recommendation and a personal statement of aims and purposes. Applicants for the rhetoric and composition concentration must also submit Graduate Record Examination (GRE) general test scores and an academic writing sample. Applicants for the linguistics concentration must show completion of one upper-division course in a linguistics-related field.

Applicants for the MA program in English with a concentration in comparative literature must prove fluency in a foreign language to a level sufficient for graduate study. Applicants must also submit three letters of recommendation and a statement of aims and purposes.

English Literature (PhD) LAENLITPHD

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://www.asu.edu/clas/english/gradstudies/enggrad.htm> | enggrad@asu.edu | LL 542B | 4809653194 | 0302

Official Degree Awarded: English (Literature) (PhD)

Program Description: The PhD program at ASU promotes the study of the production, distribution, and reception of texts; of their linguistic, rhetorical, and literary structures and functions; and of internal and external forces shaping literature. Faculty members often incorporate diverse modes of inquiry (including both traditional and recent critical approaches to literary studies) into course content and methodology allowing students flexibility to pursue work in specific periods, critical theory, cultural studies, race, class, and gender, and provide a mechanism to juxtapose high and low cultural texts and/or canonical and newly emerging texts. The program prepares students for entrance into the profession as both teachers and scholars.

Program Requirements: The PhD program is a total of 84 hours, a dissertation, written and oral comprehensive examinations, and a foreign language exam. In general, a student with an appropriate master's degree must complete a minimum of 54 semester hours of approved graduate work, which includes 12 hours of dissertation. Research hours may be used towards course work in consultation with the advisor. A student without an appropriate master's degree must complete 84 hours of work at ASU. At the advisor's discretion, students may include up to 12 hours of appropriate, graduate-level course work undertaken at another university, and not previously counted towards any other degree. Specifically required are six semester hours in theory courses and ENG 500 Research Methods. Students must complete (or have completed at the master's level or its equivalent) one graduate course in eight of the following 10 categories: Literature to 1500, Literature 1500-1660, Literature 1660-1900, Literature since 1900, Genre, Gender Studies, Ethnic Studies, Postcolonial/Anglophone literatures, Cultural Studies, and History/Structure of the English Language. Students must take at least five graduate seminars at the 600 level en route to the PhD degree, at least three of which must be taken in the PhD program. Up to 12 semester hours taken outside the department may be counted toward the degree. Students should consult with their supervisory committees when choosing electives.

Admission Requirements: Applicants must submit a Graduate College online application. Applicants for the PhD degree in English must submit three letters of recommendation, a statement of purpose, and an academic writing sample. GRE general scores are required for both concentrations. The GRE advanced literature section is optional for the literature concentration.

Deadline for admission applications and requests for financial aid, including teaching assistantships, is February 1. Incomplete files are not considered.

Materials should be sent to:

Graduate Coordinator
Department of English
Arizona State University
PO Box 870302
Tempe AZ 85287-0302

Environmental Life Sciences (PhD) LAELSPHD

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://els.asu.edu/> | Susanne.neuer@asu.edu | LSE 421 | 480/727-7254 | 4501

Official Degree Awarded: Environmental Life Sciences (PhD)

Program Description: Environmental Life Sciences (ELS) is a novel graduate degree program that will provide Ph.D. level training in several complementary fields focused on interactions between organisms (plant, animal or microbe) and their environment. ELS will provide trans-disciplinary training that includes aspects of biology, geosciences, chemistry/biochemistry, environmental engineering, sustainability, social sciences, and mathematics. Graduate students will be trained in core classes, seminars, reading groups and research clusters. A focus will be collaborative and integrative study of the effects of environmental variation on fluxes of materials and energy across scales ranging from the organism to the globe. Our overall goal is to provide a unique Ph.D. degree program that produces students with a broad appreciation of environment-organism questions in the context of natural and anthropogenic environmental change.

Program Requirements: As specified in each student's Plan of Study, the total number of credit hours should consist of 7 credit hours of core courses, a minimum of 9 hours of electives and 12 hours of dissertation credit (ELS799). Beyond these 28 credit hours, the remaining credit hours should be filled either from electives or from the ELS omnibus courses up to the required number of total credit hours (54 beyond masters or 84 total).

Admission Requirements: Minimum of a bachelor's degree (or equivalent) or a graduate degree from a regionally accredited College or University or of recognized standing in a related field.

Minimum of a 3.00 cumulative GPA (scale is 4.0=A) in the last 60 hours of a student's first bachelor's degree program.

All applicants must submit a GRE results.

Environmental Social Science (PhD) LAESSPHD

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: http://shesc.asu.edu/graduate_studies | shesegrad@asu.edu | ANTH 233 | 480/965-6215 | 2402

Official Degree Awarded: Environmental Social Science (PhD)

Program Description: The PhD in Environmental Social Science (ESS) is one of the few doctoral programs in the U.S. that focuses on the social dynamics of environmental issues using critical social science perspectives. The ASU program is organized around theoretically-based conceptual domains (political ecology, culture and the environment, environmental justice, science and technology studies, environmental hazards and vulnerability, and human environment impacts). These are the basis for addressing various topical foci (including urban environments, technologies and their consequences, landscapes, institutions, and health and the environment).

Students will work with faculty who have expertise in a broad range of fields including human and physical geography, cultural and Medical anthropology, archaeology, community resources, demography, geographic information systems, environmental history, planning, public affairs, sociology, and science and technology studies. The ESS program will train students to move into teaching and research positions, or to assume leadership roles in nongovernmental organizations (NGOs), government, or

industry. Course work for the degree is focused on developing real-world skills and a solid grasp of complex social science approaches to environmental issues. Students work closely with their committee to develop a curriculum appropriate to their chosen interests and career goals.

Program Requirements: All students entering the program complete a suite of classes totaling 30 hours. These include 18 hours of core classes in Conceptual Domains and Topical Foci. Additional hours come from one course each in Research Design and Technical Expertise, and six hours of electives. Students may select from a substantial range of courses to satisfy noncore requirements. Students entering with an MA will be granted up to 30 credit hours toward the 84 hour total required for the Ph.D. Students without an MA must earn an additional 30 hours of graduate credit, selecting courses from a number of appropriate programs on campus. All students must earn 12 (and only 12) dissertation hours and may earn up to 12 research hours for a total of 24 hours to achieve the 84 hour total.

Admission Requirements: Applicants are required to have a bachelor's degree from a regionally accredited institution with a grade point average of 3.20 (4.00 scale) or higher in the last two years of course work. A master's degree in any relevant field is advantageous for environmental social science (ESS) students, or students can earn an MA-in-passing as part of the ESS graduate program. In addition to general requirements for admission to the Graduate College, the Environmental Social Science PhD program requires students to provide a statement of their interests and goals as a professional, three letters of recommendations, a sample of their written work, and GRE scores. While undergraduate work in one of the social sciences (e.g. geography, political science, sociology, anthropology, planning, or history) is not required, some course work in the social sciences is advantageous for admission. Students may be required to take additional courses as noted at the time of admission if they lack an adequate background in the social sciences.

Family and Human Development (MS) LAFAMHDMS

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://www.asu.edu/ssfd> | ssfd@asu.edu | SS144 | 480/965-6978 | 3701

Official Degree Awarded: Family and Human Development (MS)

Program Description: The program in Family and Human Development is devoted to the study of families, children, and youth. The program's research, teaching, and service have direct meaning for the lives of children and adults and the families and communities in which they live.

The faculty share a common commitment to high quality research that both increases the basic understanding of human and family development and has the potential to contribute to the improvement of the lives of children and families.

Program Requirements: Courses are selected by the student along guidelines of the specific areas, after consultation with the supervisory committee. The program of study should be completed and approved by the supervisory committee by the end of the second semester of full-time graduate study upon completion of 12 semester hours. A program of study may include more than 33 semester hours, and the exact number will be determined by program requirements and the student's supervisory committee. Acceptance of the proposed program of study must be verified by signature of the student and committee members. After approval within the program or college, the program of study is submitted to the Graduate College for final approval. The following requirements must be met for the tracks in child development or family studies. All students must take the following courses: FAS 500, FAS 531, CDE 531, CDE 534, and PSY 530 (or equivalent with the approval of the Graduate Committee).

Child Development

The required courses are CDE 533 and six semester hours of CDE elective selected (with approval of the student's advisor). Six semester hours of thesis work are also required.

Family Relationships

The required courses are FAS 539 and six semester hours of FAS electives (selected with approval of the student's advisor). Six semester hours of thesis work are also required.

Admission Requirements: Admission to the MS degree program in Family and Human Development is determined by the following criteria:

1. official transcripts of all undergraduate and graduate course work;
2. verbal, quantitative, and analytical Graduate Record Examination scores;
3. statement of goals relevant to the Master of Science program;
4. three letters of recommendation; and
5. an application for admission to the Graduate College.

A Test of English as a Foreign Language score of at least 600 is required of all applicants whose native language is not English.

Applications, which are due January 15, should be sent to

Graduate Secretary
Family and Human Development
PO Box 873701
Arizona State University
Tempe AZ 85287-3701

Family and Human Development (PhD) LAFAMSCPHD

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://www.asu.edu/ssfd> | ssfd@asu.edu | SS 144 | 480/965-6978 | 3701

Official Degree Awarded: Family and Human Development (PhD)

Program Description: The program in Family and Human Development is devoted to the study of families, children, and youth. The program's research, teaching, and service have direct meaning for the lives of children and adults and the families and communities in which they live.

The faculty share a common commitment to high quality research that both increases the basic understanding of human and family development and has the potential to contribute to the improvement of the lives of children and families.

Program Requirements: Each student must prepare and submit a program of study in conjunction with the chair and members of his or her supervisory committee during the first year in the program. The program of study consists of a minimum of 87 semester hours for students entering after the bachelor's degree and 57 semester hours for students entering after the master's degree. Of the 87 semester hours for a postbaccalaureate program, six are thesis credits and 24 are dissertation and research credit. Postbaccalaureate students complete a master's-in-passing before advancing to their doctoral studies. Correspondingly, the 57 semester hours of the post-master's program include 24 semester hours of dissertation and research credit. The additional hours in both the postbaccalaureate and post-master's tracks involve

1. family and human development courses,
2. statistics and research methods, and
3. a collateral area of study relating to family and human development.

Admission Requirements: Admission to the PhD in Family and Human Development is determined by the following criteria:

1. official transcripts of all undergraduate and graduate course work;
2. verbal, quantitative, and analytical Graduate Record Examination scores;
3. a statement of goals relevant to the PhD program;
4. three letters of recommendation; and
5. an application for admission to the Graduate College.

A Test of English as a Foreign Language score of at least 600 is required of all applicants whose native language is not English.

Applications, which are due January 15, should be sent to

Graduate Secretary
Family and Human Development
PO Box 873701
Arizona State University
Tempe AZ 85287-3701

French Comparative Literature (MA) LAFRECLMA

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://www.asu.edu/clas/silc/fre/grads/> | silc@asu.edu | LL 440 | 4809656281 | 0202

Official Degree Awarded: French (Comparative Literature) (MA)

Program Description: The faculty in the School of International Letters and Cultures offer a graduate program leading to the MA degree in French with a concentration in comparative literature.

Program Requirements: A total of 30 semester hours of graduate work is required. Graduate students may take only 500-level courses for graduate credit. At least nine hours must be selected from those courses listed exclusively for graduate students. The program must include FRE 500: Bibliography and Research Methods (it is recommended that the candidate enroll in this course as early as possible); two courses in linguistics, civilization, or translation (of which one must be in linguistics); and one course in critical or cultural theory.

For core courses, a minimum of four courses offered by the French section must be selected from any combination of the following categories: Period courses, genre courses and Francophone studies courses. When approved by the graduate committee, up to six hours of related course work may be taken outside of French. A student must achieve a GPA of "B" (3.00) or higher in all work specifically included in the program of study. Grades below a "C" cannot be used to meet the requirements of a graduate degree. No student may accumulate more than one incomplete at any one time. Independent study courses will be given only under exceptional circumstances and will not duplicate courses which are available. The French graduate committee is responsible for authorizing such work in cooperation with the individual professor. No more than six hours of independent study will be permitted. The student must write a thesis dealing with a clearly-defined literary topic bearing some relation to work done in the student's classes. Students planning to transfer at the secondary school-level, may choose to complete an applied project. The written examination for the concentration in comparative literature will be administered by the interdepartmental committee for comparative literature and will consist of two essay-based components: general concepts of comparative literature and problems of comparative literature.

Admission Requirements: Applicants must submit a Graduate College online application. Prerequisites for admission into the literature program include French 321 Introduction to French Literature: Medieval through the Eighteenth Century; French 322 Introduction to French Literature: Nineteenth and Twentieth Centuries; in addition to two 400-level French classes of which at least one must be a literature course.

French Linguistics (MA) LAFRELINMA

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://www.asu.edu/clas/silc/fre/grads/> | silc@asu.edu | LL 440 | 4809656281 | 0202

Official Degree Awarded: French (Linguistics) (MA)

Program Description: The faculty in the School of International Letters and Cultures offer a graduate program leading to the MA degree in French.

Program Requirements: The program of study for the MA degree includes a minimum of 30 semester hours of graduate-level work, as approved by the candidate's supervisory committee. It has a thesis and an applied project option. The program must include a 500-level Bibliography and Research Methods course offered by the department. When approved by the candidate's

supervisory committee, in some programs, nine hours in another language or in closely related courses may be included in the program.

Comprehensive Examination: All candidates are required to pass a comprehensive written examination designed to evaluate the candidate's knowledge in the area of specialization. A reading list, as agreed upon, serves as a guide to prepare for this examination.

Admission Requirements: Candidates for the MA degree should, upon entrance, present the equivalent of an undergraduate major in the language in which the degree is sought. Those who lack this background, but who show strong potential and meet Graduate College admissions requirements, may be admitted to a graduate program on a provisional basis, pending removal of specified deficiencies. These deficiencies must be completed in addition to the regular program of study for the master's degree.

French Literature (MA) LAFRELITMA

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://www.asu.edu/clas/silc/fre/grads> | silc@asu.edu | LL 440 | 4809656281 | 0202

Official Degree Awarded: French (Literature) (MA)

Program Description: The faculty in the School of International Letters and Cultures offer a graduate program leading to the MA degree in French.

Program Requirements: The program of study for the MA degree includes a minimum of 30 semester hours of graduate-level work, as approved by the candidate's supervisory committee. It has a thesis and an applied project option. The program must include a 500-level Bibliography and Research Methods course offered by the department. When approved by the candidate's supervisory committee, in some programs, nine hours in another language or in closely related courses may be included in the program.

Comprehensive Examination: All candidates are required to pass a comprehensive written examination designed to evaluate the candidate's knowledge in the area of specialization. A reading list, as agreed upon, serves as a guide to prepare for this examination.

Admission Requirements: Candidates for the MA degree should, upon entrance, present the equivalent of an undergraduate major in the language in which the degree is sought. Those who lack this background, but who show strong potential and meet Graduate College admissions requirements, may be admitted to a graduate program on a provisional basis, pending removal of specified deficiencies. These deficiencies must be completed in addition to the regular program of study for the master's degree.

Gender Studies (PhD) LAGSTPHD

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: http://www.asu.edu/clas/womens_studies | womens.studies@asu.edu | West Hall 205 | 4809652358 | 4902

Official Degree Awarded: Gender Studies (PhD)

Program Description: The academic study of gender is increasingly recognized as central across academic fields, from literature to psychology to biology and law. The goal of the doctoral program is to train researchers who can take their place in the world as academic faculty, as researchers inside and outside of academia, and as policy-makers.

The PhD in Gender Studies is designed around three areas of expertise:

- **Justice, Social Change and Sustainability:** Courses in this area explore the gender dimension of the social structure and the social division of labor, the processes of social change, institutions and organizations, community development and sustainability and analyze how policies and laws can improve or hinder the quality of life for everyone. We have faculty expertise in gender and globalization, immigration, work, social policy, domestic violence, child welfare, gender and development in Latin America, and gender and the environment.
- **Health, Science and Technology.** Courses in this area explore the impact of gender on health care, health occupations and the scientific enterprise. We have faculty expertise in gender and global health disparities, bioethics, women's roles

as healers and care-givers, HIV/AIDS prevention, addiction, technology, and the participation of women in math and science in the developing world.

- **Visual and Narrative Culture.** Courses in this area include the study of historical characterization of gender, literary narratives about gender and the cultural representations of gender and race in film, media, advertising, and art. We have faculty expertise in history, gender, race and cultural representations, performance, literature, and art.

Admission Requirements: The Gender Studies program requires 84 semester hours, a dissertation, a written comprehensive examination, an oral comprehensive examination and a foreign language examination.

Geographic Education (MAS) LAGEOEDMAS

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://geography.asu.edu/masge> | ronald.dorn@asu.edu | COOR 5302 | 4809657533 | 5302

Official Degree Awarded: Geographic Education (MAS)

Program Description: The Master of Advanced Study (MAS) degree in Geographic Education is an online nonthesis degree program that provides teachers with the opportunity to obtain a highly qualified status in geographic education. The degree program is intended for K-12 teachers and is appropriate for elementary and secondary school teachers. Although the courses are completed online, there are two in-person meetings, including an orientation and a graduation event, where capstone projects are presented.

Program Requirements: The MAS degree program in Geographic Education consists of 30 semester hours taken completely online, with two one-day sessions required at the Tempe Campus (orientation session and presentation of an applied project). Students complete 24 semester hours in geography, a three semester-hour course in educational research (COE 501 Introduction to Research and Evaluation in Education) and a three semester-hour course on the applied project related to geographic education (SED 593 Applied Project or DCI 593 Applied Project). This culminating experience is required in place of a thesis. A sample program of study for a full-time student is located at geography.asu.edu/masge/. Students are required to have access to a computer with an internet connection and the capability to view video and animated files with sound (e.g. Flash, shockwave, mpeg, avi, etc.), access to e-mail and access to a word processing program (e.g. Microsoft Word).

Admission Requirements: In addition to the Graduate College admission requirements, prospective students must have a bachelor's degree from a regionally accredited institution (or equivalent) in education, geography or related area with a minimum GPA of 3.00 (4.00 scale) or demonstrate a minimum of one year of related professional experience and successful completion of a bachelor's degree from a regionally accredited institution (or equivalent) with a minimum GPA of 3.00 (4.00 scale). Applicants with a GPA below 3.00 can apply and may be accepted if they show substantial promise of success based on the candidate's statement and letters of recommendation. Applicants to the degree program are accepted year-round for fall admission.

Geographic Information Systems (Grad Certificate) LAGEOGISCE

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://geography.asu.edu/> | luc.anselin@asu.edu | School of Geographical Sciences, COOR 5302 | 480/965-7533 | 5302

Official Degree Awarded: Geographic Information Science (certificate) (CERT)

Program Description: Under the auspices of the School of Geographical Sciences, the interdisciplinary certificate program in Geographic Information Science (GIS) is administered by an executive committee. The objective of this program is to enable ASU graduate students and GIS professionals to learn how to apply GIS concepts and technology for the purpose of spatial analysis.

Program Requirements: A minimum of 16 semester hours consisting of three required and two elective courses (three semester hours each) plus a capstone seminar (one semester hour) is required to complete the GIS certificate.

Admission Requirements: Current graduate students receive priority admission to the certificate program. Students qualify for admission to the certificate program by maintaining good standing in a cooperating department and completing an application specific to the GIS certificate. Practicing professionals who already hold a graduate degree furnish proof of an advanced degree

by a formal transcript and enroll as nondegree graduate students through the Graduate College. Prospective students must complete prerequisites listed for the level one required course, or pass a proficiency test.

Geographic Information Systems (MAS) LAGISMAS

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://geography.asu.edu> | Robert.Balling@asu.edu | COOR 5302 | 4809659759 | 5302

Official Degree Awarded: Geographic Information Systems (MAS)

Program Description: The Master of Advanced Study (MAS) degree in Geographic Information Systems (GIS) program is a compact one-year nonthesis degree fostering advanced study in management and the use of GIS technology in public and corporate environments. The degree meets important educational needs of working professionals and recent college graduates seeking to improve their career standing. The program provides a comprehensive professional degree that balances work in the theoretical aspects of GIS, the technical side of the discipline, and the applications domain. Students are exposed to cutting edge technology, management theory and practice, and several societal dimensions associated with the application of GIS technology. Courses are held in the evenings and on weekends, the curriculum is highly adaptable to the work environment, and thus the MAS degree is achievable in a one-year time period.

Program Requirements: This degree program requires 30 semester hours and an applied project. Enrolling students must complete three sequential semesters of coursework totaling 30 graduate semester hours. The first semester, offered during the fall, is composed of six two credit-hour modules, which are not transferable. Students in the spring semester must complete four three semester-hour courses. During the final semester, offered through the 8-week summer sessions, students must complete three semester hours of GIS internship and a three semester-hour Capstone course.

Admission Requirements: In addition to ASU Graduate College admission standards, prospective students seeking the degree must have successfully completed a bachelor's degree in a related area with a minimum GPA of 3.00 (4.00 scale); or demonstrate a minimum of three years of related professional experience and the successful completion of a bachelor's degree in an unrelated area as determined by the MAS-GIS Steering Committee.

Applicants must submit two letters indicating support from any combination of current/former instructors, supervisors or professionals currently employed within GIS or a related discipline. Applicants must prepare a formal, written statement regarding relevant academic experience, professional experience and overall interest in GIS. Application materials for the coming academic year are accepted and reviewed on a rolling basis until June 30. Applicants are notified of their status within six weeks of receipt of their application materials.

Geographical Sciences (Urbanism) (PhD) LAGCUUPHD

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://geography.asu.edu> | etalen@asu.edu | COOR 5302 | 4809657533 | 5302

Official Degree Awarded: PHD Geographical Sciences (Urbanism)

Program Requirements: The School of Geographical Sciences requires PhD students to pass written and oral comprehensive examinations. These are taken at the completion of all course work. After students have passed the comprehensive examinations and satisfied the other requirements, they are eligible to apply for candidacy. A dissertation based on original work demonstrating creativity in research and scholarly proficiency in the subject area is required. A final oral examination in defense of the dissertation is also required. A minimum of 30 semester hours of course work at ASU beyond the master's degree is required, plus a minimum of 12 semester hours of credit in research and dissertation. For the Concentration in Urbanism, 15 credit hours will be selected from an approved list of applicable courses related to urbanism

Admission Requirements: Admission to the PhD program requires a completed master's degree in Geography or equivalent degree. At a minimum, this preparation should include competence in cartography and quantitative methods and basic course work in human and physical geography. Students who have not already acquired these basic skills or taken these basic courses must do so during the first year of their graduate program. These courses are considered deficiencies, and will not count towards the degree.

Geography (MA) LAGEOGMA

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://geography.asu.edu> | sgeos@asu.edu | COOR 5302 | 4809659759 | 5302

Official Degree Awarded: Geography (MA)

Program Description: The Master of Arts in Geography degree program is designed to offer specialized academic and professional training in geography so that the student may secure a sound graduate background for further specialization or for immediate employment. The program has sufficient flexibility to allow for individual needs and the interests of the student. A minimum of 30 semester hours beyond the bachelor's degree is required. At least 24 semester hours must be in geography.

Program Requirements: The School of Geographical Sciences may consider a student for a traditional master's degree that includes the successful defense of a thesis. Master's students must complete 30 semester hours including 24 semester hours of combined coursework and research hours at ASU and a 6 semester-hour thesis. The master's program includes two required courses (GCU 529 Geographic Thought and GCU 585 Advanced Research Methods) and additional coursework or research hours as selected by the student in consultation with an advisory committee

Admission Requirements: Applicants must submit the Graduate College online application. Applications for the MA program must be accompanied by the applicant's scores on the Graduate Record Examination (verbal and quantitative) and three letters of recommendation from professors. All applications are reviewed by the Graduate Recruiting and Admissions Committee and the Director of the School of Geographical Sciences.

It is presumed that all students entering the master's program have an adequate background in geography, including course work that is the equivalent of GPH 371 Introduction to Cartography and Georepresentation and GCU 495 Quantitative Methods in Geography. Additional prerequisite course work is required of students insufficiently prepared in geography.

Geography (PhD) LAGEOPHD

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://geography.asu.edu> | sgeos@asu.edu | COOR 5302 | 480/965-9759 | 5302

Official Degree Awarded: Geography (PhD)

Program Description: The PhD program provides specialized academic and professional training in geographical sciences so that the student can secure a sound background for further research and teaching and for immediate employment.

Program Requirements: This degree program requires 84 semester hours, a dissertation, a written comprehensive examination and an oral comprehensive examination.

PhD students entering with a bachelor's degree must complete 84 semester hours. These hours include 72 semester hours of coursework and research at ASU and 12 dissertation hours. Entering students without a master's degree can earn a Master's in Passing upon the completion of 30 semester hours at ASU, including GCU 529 Geographic Thought, GCU 585 Advanced Research Methods, and one seminar (GCU/GPH 591), and passing the School's Research and Field Examination.

PhD Students entering with a master's degree must complete 54 semester hours. These include 42 semester hours of combined coursework and research hours at ASU and 12 dissertation hours. The PhD program includes two required courses (GCU 529 Geographic Thought, GCU 585 Advanced Research Methods), two seminars (GCU/GPH 591) and additional coursework or research hours as selected by the student in consultation with an advisory committee.

Admission Requirements: Applicants must submit the Graduate College online application.

The School of Geographical Sciences admits students to its PhD program with either a master's or a bachelor's degree in geography or a related field. We welcome applicants without geography degrees. Incoming students must demonstrate or attain competence in cartography and quantitative methods and complete other basic coursework that will enable them to pursue graduate studies in their area of specialization.

Applications for the PhD program must be accompanied by the applicant's scores on the Graduate Record Examination (verbal and quantitative) and three letters of recommendations from professors. All applications are reviewed by the Graduate Recruiting and Admissions Committee and the Director of Geographical Sciences.

Geological Sciences (MNS) LANATSCIMN

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://sese.asu.edu/> | seseinfo@asu.edu | PSF 686 | 4809655081 | 1404

Official Degree Awarded: Natural Science (Geological Sciences) (MNS)

Program Description: The School of Earth and Space Exploration participates in the program leading to the Master of Natural Science (MNS) degree when the concentration is Geological Sciences. This interdisciplinary degree is designed to meet the needs of professionals seeking a graduate level degree. The Master of Natural Science degree offers the opportunity for interdisciplinary graduate training in the natural sciences (biological sciences, mathematics, and physical sciences) and cognate areas. The degree program is especially suited for individuals who desire professional training rather than research training. Because of designed flexibility, the degree also offers the opportunity for individualized professional graduate programs depending upon the backgrounds and goals of the students. The major is Natural Science. Students are expected to emphasize course work in two or more areas of concentration. The program must be interdisciplinary.

Program Requirements: The MNS in Geological Sciences requires 30 semester hours and an applied project. The supervisory committee, consisting of three faculty members, is appointed by the dean of the Graduate College upon the recommendation of the chair of the academic unit in which the graduate advisor serves as a faculty member. The supervisory committee is formed soon after the student has been admitted to the degree program. The graduate advisor and student suggest names of persons to serve on the supervisory committee. The composition of the supervisory committee must reflect the interdisciplinary nature of the program.

A program of study is recommended by the supervisory committee after conferring with the student. The minimum number of semester hours required for the degree is 30. More may be required by the supervisory committee depending upon the background of the student and the nature of the proposed program. In some cases undergraduate courses may be required to remove deficiencies.

A thesis is optional. A final written or oral examination, or both, is required. Each examination is administered by the supervisory committee.

Admission Requirements: See Admission to the Graduate College. A prerequisite for admission is the availability of resources in SESE and having a faculty member in SESE serve as a graduate advisor. The submission of scores on the GRE (verbal, quantitative and analytical) is required of all applicants.

Geological Sciences (MS) LAGEOSCMS

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://sese.asu.edu/> | sese@asu.edu | PSF 686 | 4809655081 | 1404

Official Degree Awarded: Geological Sciences (MS)

Program Description: The MS degree program in Geological Sciences is administered by the School of Earth and Space Exploration. The program is designed to provide fundamental graduate training in geology and to prepare the student for certain careers in geology or for further graduate study.

Program Requirements: The MS degree consists of a minimum of 30 semester hours of work beyond the bachelor's degree; 20 or more semester hours consist of course work other than research and thesis. The student, with the approval of the advisor and supervisory committee (formed upon enrollment), selects courses that make a coherent program of study. Each MS candidate must include on the program of study one hour of GLG 500 RM: Geology Colloquium and six hours of GLG 592 Research and GLG 599 Thesis, at least three of which must be GLG 599 Thesis. A maximum of six hours of thesis may appear on a program of study. One-half of the semester hours applicable toward the degree must be in geological sciences courses; the remainder may include work either in geological sciences or in related fields.

Thesis Requirements: A research-based thesis is required. The final examination is an oral defense of that thesis.

Admission Requirements: Applicants must submit the Graduate College online application.

Students applying for admission to the Geological Sciences MS degree program must submit Graduate Record Exam (GRE) Aptitude Test scores (verbal, quantitative and analytical) in addition to official transcripts, three letters of recommendations and a statement of purpose. The deadline for applications for the fall term is January 5.

Geological Sciences (PhD) LAGEOSCPHD

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://sese.asu.edu> | seseinfo@asu.edu | PSF 686 | 4809655081 | 1404

Official Degree Awarded: Geological Sciences (PhD)

Program Description: The PhD degree program in Geological Sciences is administered by the School of Earth and Space Exploration. The PhD degree consists of a minimum of 84 semester hours of course work beyond the bachelor's level. The program is designed to develop creative scholarship and to prepare the student for a professional degree in the geological sciences including geology, geophysics, geochemistry, planetary geology and related fields.

Program Requirements: This degree program requires 84 semester hours, a dissertation, a written comprehensive examination and an oral exam. The program of study for the PhD is selected with the recommendation of the student's supervisory committee. Each program of study must include 24 semester hours of research and dissertation. ASU Graduate College policies and procedures must also be met for admission into the program and for fulfilling the degree requirements.

Foreign Language Requirements. None.

Comprehensive Examination. PhD candidacy is earned on the basis of a written component and an oral component. The written examination is in the form of two written research projects. The oral exam consists of an oral defense of the two projects.

Dissertation Requirements. A dissertation is required that is based on original work demonstrating creativity in research and scholarly proficiency in the subject area.

Final Examination. A final oral examination in defense of the dissertation is required.

Admission Requirements: Applicants must submit a Graduate College online application. Students applying for admission to the PhD program in Geological Sciences must also submit scores on the Graduate Record Examination (GRE) aptitude test (verbal, quantitative and analytical) in addition to transcripts, three letters of recommendation and a statement of purpose. The deadline for applications for fall semester is January 5.

Students may be admitted to the program with a bachelor's or master's degree in a related field. Up to 30 semester hours of master's-level course work in a related field can be accepted toward fulfillment of the PhD requirements.

German (MA) LAGERMMA

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://www.asu.edu/clas/silc/ger/graduate> | silc@asu.edu | LL 440 | 4809656281 | 0202

Official Degree Awarded: German (MA)

Program Description: The faculty in the School of International Letters and Cultures offer a graduate program leading to the MA degree in German.

Program Requirements: The program of study for the MA degree includes a minimum of 30 semester hours of graduate-level work and a thesis, as approved by the candidate's supervisory committee. The program must include a 500-level Bibliography

and Research Methods course offered by the department. When approved by the candidate's supervisory committee, nine hours in another language or in closely related courses may be included in the program.

Comprehensive Examination: All candidates are required to pass a comprehensive written or oral examination designed to evaluate the candidate's knowledge in the area of specialization. In lieu of a traditional thesis for an MA in German, a student may opt for a nonthesis project. Candidates for the MA in German will be provided with a current Graduate Student Handbook.

Admission Requirements: Students interested in applying for this program must submit a Graduate College online application. Candidates for the MA degree should, upon entrance, present the equivalent of an undergraduate major in the language in which the degree is sought. Those who lack this background, but who show strong potential and meet Graduate College admissions requirements, may be admitted to a graduate program on a provisional basis, pending removal of specified deficiencies. These deficiencies must be completed in addition to the regular program of study for the master's degree.

History (MA) LAHISTMA

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://www.asu.edu/clas/history/> | graduate.history@asu.edu | Coor 4th Floor | 4809653226 | 4302

Official Degree Awarded: History (MA)

Program Description: The faculty in the Department of History offer a graduate program leading to the MA degree in History. Candidates are offered an opportunity to develop knowledge of a specific historical field, to study comparative history and to learn research techniques.

Program Requirements: This degree program requires 30 semester hours, a thesis or applied project, and a foreign language examination. Upon matriculation, the student, in consultation with the graduate director, selects a faculty advisor in the student's area of concentration. The faculty advisor directs the student toward completion of required course work. The 30 semester hours must conform to the following guidelines:

1. At least 24 semester hours of course work in history is required. With the approval of the supervisory committee, candidates may add to the 24 semester hours, six semester hours of closely related course work in another academic unit (this does not apply to students in the public history concentration).
2. Eighteen of the 24 semester hours must be in 500-level history courses. If 400-level courses are included in the program of study, documented proof must be provided that they were taken for graduate credit. Contact the graduate program coordinator for details.
3. At least three of the 24 semester hours must be in HST 591 Seminar (normally in the major field of study).
4. At least six semester hours of HST 599 Thesis are required of students writing an MA thesis. The thesis equivalent substitutes six semester hours of HST 592 in place of six semester hours of HST 599 and incorporates an additional three semester hours of HST 591 into the program.

Admission Requirements: Applications for the MA program in History must be accompanied by

1. a letter of application;
2. copies of unofficial transcripts;
3. a departmental data form;
4. a graduate assistantship application (optional);
5. the applicant's scores on the Graduate Record Examination (GRE);
6. three letters of recommendation from faculty members or others who are qualified to judge the applicant's potential for advanced study in history;
7. a résumé;
8. a writing sample;
9. a statement of ambitions and career goals; and
10. TOEFL scores and TSE scores for students applying from outside the U.S. whose native language is not English must be submitted to the Graduate College. TWE scores are also requested. On the TOEFL, students are required to score

600 or higher on the regular examination (or an equivalent score on the computerized version). Unofficial scores should be sent directly to the History Department.

History (PhD) LAHISTPHD

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://www.asu.edu/clas/history/> | graduate.history@asu.edu | Coor 4th Floor | 4809653226 | 4302

Official Degree Awarded: PHD History

Program Description: The PhD degree in History offers candidates the opportunity to study past and contemporary civilizations and to learn research and writing techniques that may be used in scholarly careers at leading academic institutions, in historical societies and agencies, in the public sector and in business.

Major emphasis is placed upon developing a disciplined mind, expertise in a chosen subject area and competence in historical research methodology. The program is composed of small classes that bring students into a close working relationship with faculty and other graduate students.

Program Requirements: This degree program requires 84 semester hours, a dissertation, a written comprehensive examination and an oral comprehensive examination.

For students admitted to the doctoral program with a master's degree, the requirements for the PhD are an additional 54 semester hours of credit in residence, of which 24 semester hours are dissertation research and writing. All 54 semester hours have to be taken after admission to the program. A minimum of 84 semester hours of graduate course work is required for the doctorate.

For students admitted to the doctoral program directly from a baccalaureate program, the requirements for the PhD are 84 semester hours of course work, of which 24 semester hours are dissertation research and writing. A minimum of 54 semester hours must be taken while the student is in residence after admission to the doctoral program.

Upon matriculation, the student, in consultation with the graduate director, selects a faculty advisor in the area of concentration. Together the faculty advisor and student select a PhD committee consisting of at least three faculty members. In consultation with the student, the committee draws up the program of study and helps direct the student to the completion of required coursework.

The program of study must conform to the following guidelines (consult the graduate handbook):

1. at least 36 hours must be at the 500-level or above;
2. if 400-level courses are taken as part of the program of study, the student must have documented proof that they were taken for graduate credit, contact the graduate program coordinator for details;
3. a course is required on research, theory, and methodology: HST 500 (three semester hours);
4. at least nine semester hours must be in research seminars (HST 591);
5. 24 semester hours of dissertation research and writing are required; and
6. at least three out of four of the core HST 598 courses offered by faculty in the North American and European history fields are required (for only those students majoring in these two fields).

Admission Requirements: Applicants must submit the Graduate College online application.

Applications for the PhD degree in History must be accompanied by

1. a letter of application;
2. copies of unofficial transcripts;
3. a departmental data form;
4. a graduate assistantship application (optional);
5. the applicant's scores on the Graduate Record Examination (GRE);

6. three letters of recommendation from faculty members or others who are qualified to judge the applicant's potential for doctoral study;
7. a résumé;
8. a writing sample;
9. a statement of ambitions and career goals; and
10. TOEFL scores and TSE scores for students applying from outside the U.S. whose native language is not English must be submitted to the Graduate College. TWE scores are also requested. On the TOEFL, students are required to score 600 or higher on the regular examination (or an equivalent score on the computerized version). Unofficial scores should be sent directly to the History Department. Policy exceptions can be obtained from www.asu.edu/graduate/international.

Immigration Studies (CE) LAIMMSTUCE

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: http://shesc.asu.edu/grad_degrees | takeyuki.tsuda@asu.edu | Matthews Center 203K | 480/965-7887

Official Degree Awarded: Immigration Studies (Certificate) (CERT)

Program Description: Immigration Studies (CE)

Infant - Family Practice (MAS) LACDEMAS

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://www.asu.edu/clas/ssfd> | ssfd@asu.edu | Social Science 144 | 480/965-6978 | 3701

Official Degree Awarded: Infant Family Practice (MAS)

Program Description: This self-contained accelerated program provides high quality course work and supervised internship experiences designed to train professionals to work in prevention and intervention programs serving families with infants, toddlers, and preschool-age children. The program prepares individuals for positions in a variety of professional capacities including child abuse prevention, infant mental health, early intervention, family support and child care and early childhood administration. Course work prepares students for professional endorsement by the Infant-Toddler Mental Health Coalition of Arizona's Endorsement for Culturally Sensitive, Relationship-Based Practice Promoting Infant Mental Health, see <http://www.itmhca.org/>.

Program Requirements: The Master's of Advanced Studies in Infant-Family Practice requires the successful completion of a minimum of 30 semester hours and a portfolio, including required course work and an internship in a community placement approved by the MAS-IFP faculty. Internships are expected to last approximately 12 months. Students must maintain a GPA of 3.00 in all course work and satisfactorily meet the expectations of the agency supervising their internship.

Foreign Language Requirements: None

Thesis Requirements: None

GRE Scores: GRE scores are waived for this program.

Admission Requirements: Applicants must submit the Graduate College online application.

Admission to the program is determined by the following criteria:

1. admission to the ASU Graduate College,
2. three letters of recommendation from individuals familiar with the applicant's academic background,
3. official transcripts of the student's academic record, and
4. a personal statement.

In addition, selected candidates will be contacted for an interview.

Justice Studies (MS) LAJUSSTMS

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://www.asu.edu/clas/justice/> | graduate.justice@asu.edu | Wilson Hall room 228 | 4809656008 | 0403

Official Degree Awarded: Justice Studies (MS)

Program Description: The MS degree in Justice Studies is designed to prepare students for professional positions in justice-related organizations, for teaching in community colleges and for further study and research in the justice field.

Areas of Study

Students use elective courses to develop a specialization in an area relevant to their own interests and consistent with the school's focus on the following areas:

- Citizenship, migration and human rights
- Globalization, sustainability and economic justice
- Law, policy and social change
- Media, technology and culture
- Social identities and communities

Program Requirements: The MS degree has two options: a thesis or an applied project.

Thesis option

The thesis option requires the completion of 36 semester hours, six of which are JUS 599 Thesis. To satisfy the thesis requirement for the MS degree, candidates must write a thesis and defend it in an oral examination conducted by the student's advisory committee.

Applied project option

The applied project option requires the completion of 36 semester hours, six of which are JUS 593 Applied Project. Candidates pursuing the applied project option must present their applied project and defend it in an oral examination conducted by the faculty member who supervises the project and the graduate programs director or designated representative. The applied project typically includes a brief literature review to identify the nature of the issue or problem and a description of the methodology used and, if relevant, of the program studied, followed by an analysis.

Each student's program is developed in concert with the advisory committee. The program of study has three major categories: foundation courses, elective courses, and thesis and applied project requirements. The required foundation courses provide students with a fundamental understanding of the theories, methods, and analytic techniques associated with the study of justice.

The foundation courses include:

- JUS 500 RM: Justice Research Methods (3)
- JUS 501 Justice Theory (3)
- JUS 509 Statistical Problems in Justice Research (3)
- JUS 521 Qualitative Data Analysis and Evaluation (3)

Admission Requirements: In addition to the general admission requirements of the Graduate College, applicants must submit the following materials by December 14 for fall admissions:

1. Graduate Record Examination (GRE) scores or LSAT score taken within the last five years; and
2. transcripts.

Send these materials to

Graduate College
Arizona State University
PO Box 871003
Tempe AZ 85287-1003

Applicants must submit these items directly to the School of Justice and Social Inquiry by the same deadline:

1. personal statement (800 to 1000 words) outlining areas of interest, educational and career goals;
2. three letters of recommendation (academic, if possible); and
3. a writing sample.

Send these materials to

School of Justice and Social Inquiry Graduate Programs
Arizona State University
PO Box 870403
Tempe AZ 85287-0403

Justice Studies (PhD) LAJUSSTPHD

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://www.asu.edu/clas/justice/> | graduate.justice@asu.edu | WILSN 2nd floor | 4809656008 | 0403

Official Degree Awarded: Justice Studies (PhD)

Program Description: The Doctoral program in Justice Studies is an interdisciplinary degree program offered through the auspices of the School of Justice and Social Inquiry (SJSI). The program integrates philosophical, legal, and ethical approaches with social science and humanities perspectives to study five areas of interest: (1) citizenship, migration, and human rights; (2) globalization, sustainability, and economic justice; (3) law, policy, and social change; (4) media, technology, and culture; and (5) social identities and communities. SJSI is recognized as a leader in the interdisciplinary study of justice and a pioneer in the establishment of a full-fledged program in the field.

Program Requirements: This degree program requires 84 semester hours, a dissertation, and a written comprehensive examination. The doctoral program requires that students complete three foundation courses as a part of their course work for the PhD in Justice Studies. Students must earn a grade of "B" (3.00) or higher in each of the foundation courses:

JUS 620 Justice Research Methodology (3)
JUS 630 Data Analysis for Justice Research (3)
or JUS 650 Advanced Qualitative Data Analysis (3)
JUS 640 Theoretical Perspectives on Justice (3)

Students entering the doctoral program with a master's or JD degree are required to complete 54 semester hours. Of the 54 hours, 12 hours are earned as dissertation research; nine hours as PhD core courses; 15 as elective course work; and 18 are comprised of any combination of additional elective courses, reading or conference hours, or research hours.

Students entering the doctoral program without a master's or JD degree are required to complete 84 semester hours. Of the 84 hours, 12 hours are earned as dissertation research credit; 12 as 500-level foundation courses; nine as required PhD courses; 24 hours as elective credit; and 27 semester hours are comprised of any combination of additional elective courses, reading and conference hours, or research hours.

Admission Requirements: In addition to the general admission requirements of the Graduate College, applicants must submit the following materials by December 14 for fall admissions:

1. Graduate Record Examination (GRE) scores or LSAT score taken within the last five years; and
2. transcripts.

Send these materials to:

Graduate College
Arizona State University
PO Box 871003
Tempe AZ 85287-1003

Applicants must submit these items directly to the School of Justice and Social Inquiry by the same deadline:

1. personal statement (800 to 1000 words) outlining areas of interest, educational and career goals;
2. three letters of recommendation (academic, if possible); and
3. a writing sample.

Send these materials to:

School of Justice and Social Inquiry Graduate Programs
Arizona State University
PO Box 870403
Tempe AZ 85287-0403

Kinesiology (PhD) LAKINEPHD

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://www.asu.edu/clas/kines/> | kineswebmaster@asu.edu | PEBW 218 | 4809653875 | 0701

Official Degree Awarded: Kinesiology (PhD)

Program Description: The PhD degree in Kinesiology is an individualized, interdisciplinary program that integrates graduate courses from a variety of academic units to provide a sound foundation for research leading to a dissertation. Topics for these dissertations come from one of five research areas: biomechanics, motor behavior, physiology of exercise, exercise/health psychology, and human physiology.

Program Requirements: The program of study consists of a minimum of 84 semester hours of graduate credit for applicants holding a baccalaureate degree (54 hours of graduate work beyond the master's degree). Of the 84 semester hours, at least 30 hours (which may include research credit) of the approved PhD program, and 24 research and dissertation hours must be completed after admission to a PhD program at ASU. An individual program of study is selected in consultation with the student's supervisory committee. The program of study reflects the interdisciplinary nature of the degree program.

Admission Requirements: In addition to meeting Graduate College requirements, students must submit a letter designating a potential area of interest, the name of a potential mentor or mentors (from the list of faculty), and a statement of career goals to the Department of Kinesiology director, in care of the graduate studies committee. Graduate Record Examination (GRE) scores (verbal, quantitative, and the writing score), a professional résumé, and three letters of recommendation must also be submitted. All applicants whose native language is not English must submit a Test of English as a Foreign Language score. Admission decisions are based on the compatibility of the applicant's career goals with the purpose of the degree program, previous academic training and performance, GRE scores, recommendations, and match of research interests with those of available mentors.

To be considered for research or teaching assistantships, all application materials should be received before December 1. Application materials are due before August 1 for admission in the spring.

Liberal Studies (MLSt) LAMLSMLS

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://clas.asu.edu/liberalstudies/mls.htm> | paulmorris@asu.edu | SS 214 | 4807270819 | 5002

Official Degree Awarded: Liberal Studies (MLSt)

Program Description: The Master of Liberal Studies offers students interested in a multidisciplinary approach to human ideas and values an opportunity to expand their liberal arts background. The program is intended for students seeking a graduate degree that explores the integration of the humanities with political, religious, social and scientific questions within their cultural contexts. The program connects students to the entire College of Liberal Arts and Sciences and integrates the disciplines.

Program Requirements: This program requires 30 credit hours and an applied project. Students are required to take three core classes, six electives and an applied project. We offer four core classes and students select any three of the four offered.

Core Courses (three hours each):

MLS 501 Writing About Social Issues
MLS 502 Religion, Health and Culture
MLS 503 Ethics, Science and Culture
MLS 504 : Film and Media Studies

Electives:

18 hours of elective, no more than nine in the same department.

Three emphasis areas are available

Science, nature and creative nonfiction writing
Gender, religion and culture
Borders: migration, health and cultural identity

Admission Requirements: Applicants must submit the Graduate College online application.

Liberal Studies - Film and Media Studies (MLSt) LAFMSMLS

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://clas.asu.edu/liberalstudies/mls.htm> | paulmorris@asu.edu | SS 214 | 480/727-0819 | 6505

Official Degree Awarded: Liberal Studies (Film and Media Studies) (MLSt)

Program Description: The Master of Liberal Studies - Film and Media Studies offers students interested in a multidisciplinary approach to human ideas and values an opportunity to expand their liberal arts background through the study of film and media in society. The program is intended for students seeking a graduate degree that explores the integration of the humanities with political, religious, social and scientific questions within their cultural contexts. Studies focus on the aesthetics and theory of film and media. The program connects students to the entire College of Liberal Arts and Sciences and integrates the disciplines.

Program Requirements: This degree program requires 30 semester hours and an applied project. Students are required to take three core classes, six electives and an applied project. We offer four core classes and students select any three of the four offered.

Core Courses (three hours each):

MLS 501 Writing About Social Issues
MLS 502 Religion, Health and Culture
MLS 503 Ethics, Science and Culture
MLS 504 Film and Media Studies

Electives:

18 hours of electives

Admission Requirements: Applicants must submit a Graduate College online application.

Linguistics (Grad Certificate) LALINGUICE

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: enggrad@asu.edu | Languages and Literatures 542B | 480/965-3194 | 0302

Official Degree Awarded: Linguistics (certificate) (CERT)

Program Description: This interdisciplinary graduate certificate in Linguistics offers students in several fields the opportunity to gain an understanding of the way in which languages are structured, how they are acquired and how they vary over time, space, social distance and situational contexts.

The skills acquired through the completion of the core courses for this certificate include analytical abilities, critical thinking, problem solving and communication skills. In addition, the knowledge acquired in the areas of discourse analysis and pragmatics makes students aware of the necessity to use appropriate registers and styles when creating written documents or oral presentations to different audiences.

Program Requirements: This certificate program requires 18 semester hours of coursework. The required nine semester-hour core of the certificate consists of courses in phonology, syntax and discourse analysis/pragmatics. The other three courses (nine semester hours) may be chosen from fields such as second language acquisition, applied linguistics, sociolinguistics, computer science, education, language and culture.

Pre-requisite: Introductory course in Linguistics (taken at the upper-division or graduate level, e.g., FLA 400/598, LIN 510, ASB 480/598 or equivalent).

All certificate coursework must be completed with an average grade of "B" or higher.

Admission Requirements: Applicants must submit the Graduate College online application. Students interested in earning the Graduate Certificate in Linguistics must make a formal application to the Supervisory Committee of the Graduate Certificate in Linguistics. To do so, students must complete the declaration of interest form, provide necessary documentation and meet with the certificate faculty advisor. Questions about the application process and other logistical matters concerning the certificate should be directed to Sheila Luna (480) 965-3194, sheila.luna@asu.edu. Students must submit a copy of official transcripts from an undergraduate degree institution attesting to the completion of the bachelor's degree from a U.S. accredited institution or equivalent, and/or showing any courses to meet the language requirement and any core and/or elective courses already taken toward the certificate. Proof of a complete bachelor's degree is only required of students admitted to the certificate program while being nondegree graduate students. Students who apply to the graduate certificate in Linguistics and are admitted to ASU as nondegree graduate students, will be denied admission to the certificate program if they do not hold a bachelor's degree (or equivalent) from a regionally accredited institution or equivalent. Graduate students who have already been admitted to an ASU degree program will have already had their undergraduate credentials verified and no additional verification will be required.

Marriage and Family Therapy (MAS) LAMFTMAS

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://www.asu.edu/clas/ssfd> | ssfd@asu.edu | SS 144 | 480/965-6978 | 3701

Official Degree Awarded: Marriage and Family Therapy (MAS)

Program Description: The purpose of this self-contained accelerated program is to provide high quality course work and supervised internship experiences that meet the degree requirements for licensure in the State of Arizona to practice marriage and family therapy as determined and laid out by the Arizona Board of Behavioral Health Examiners, <http://www.bbhe.state.az.us/>. The degree requirements are specified by the board and the program a designed to train practitioners who wish to practice marriage and family therapy.

Program Requirements: The Master's of Advanced Studies in Marriage and Family Therapy program requires the successful completion of a minimum of 39 semester hours, and applied project, including required course work and completion of 300 client contact hours in a community internship placement approved by the MAS-MFT faculty. Internships are expected to last approximately 12 months. Students must maintain a GPA of 3.00 in all course work and satisfactorily meet the expectations of the agency supervising their internship.

Foreign Language Requirements: None

Thesis Requirements: None

GRE Scores: GRE scores are waived for this program.

Transportation: Students are required to have a vehicle and a valid Arizona driver's license for internship placement.

Oral Internship Examination: An internship entrance examination to demonstrate readiness for internship placement will be held at the end of the first eight-week semester.

Admission Requirements: Applicants must submit the Graduate College online application.

Admission to the program is determined by the following criteria:

1. admission to the ASU Graduate College,
2. three letters of recommendation from individuals familiar with the applicant's academic background,
3. official transcripts of the student's academic record, and
4. a personal statement.

In addition, selected candidates will be contacted for an interview.

Mathematics (MA) LAMATHMA

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://math.la.asu.edu/> | grad@math.la.asu.edu | PSA 216 | 4809653951 | 1804

Official Degree Awarded: Mathematics (MA)

Program Description: This degree is designed for students who wish to extend their knowledge and prepare for careers using mathematics. Students pursuing the MA degree in Mathematics may choose one of the following general areas: mathematics, applied mathematics, statistics and probability, and mathematics education. Further information may be obtained from the department website.

Program Requirements: This degree program requires 30 semester hours of math or math related graduate coursework. A student may choose to write a thesis, in which case six of the 30 semester hours must consist of thesis (599). Twelve of the remaining 24 semester hours must be at the 500 level. The student must also complete a qualifying examination (see department web page for exam information) and a final oral examination in defense of the thesis. Students who do not choose the thesis option must take 18 semester hours at the 500 level. They must also pass two qualifying examinations.

Admission Requirements: Applicants must submit the Graduate College online application. Minimum background for consideration of admission to a graduate program in mathematics includes a bachelor's degree in mathematics or a closely related area with a 3.00 Grade Point Average, and course work in linear algebra (MAT 342) and advanced calculus (MAT 371). Familiarity with computer languages is highly desirable for areas in applied mathematics.

Mathematics (MNS) LAMATHMNS

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://math.la.asu.edu/> | grad@math.la.asu.edu | PSA 216 | 4809653951 | 1804

Official Degree Awarded: Natural Science (Mathematics) (MNS)

Program Description: The Master's of Natural Science (MNS) degree offered by the Department of Mathematics and Statistics is for students interested in an interdisciplinary program with a major emphasis in mathematics and a minor emphasis in a related subject such as biology, engineering, education or economics.

Program Requirements: This degree program requires 36 semester hours and a written comprehensive examination. Twelve of those semester hours must consist of coordinated graduate study outside the Department of Mathematics and Statistics. At least 18 semester hours must be at the 500 level, which includes at least six semester hours of the courses completed outside the department. Students must either pass one qualifying examination or receive a minimum GPA of 3.25 in four courses of two qualifying sequences. See the department website for examination information.

Admission Requirements: Applicants must submit the Graduate College online application. Minimum background for consideration of admission to a graduate program in mathematics includes a bachelor's degree in mathematics or a closely related area with a 3.00 Grade Point Average, and course work in linear algebra (MAT 342) and advanced calculus (MAT 371). Familiarity with computer languages is highly desirable for areas in applied mathematics.

Mathematics (PhD) LAMATHPHD

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://math.la.asu.edu/> | grad@math.la.asu.edu | PSA 216 | 4809653951 | 1804

Official Degree Awarded: Mathematics (PhD)

Program Description: The PhD is intended for students with superior mathematical ability. It emphasizes a solid mathematical foundation and promotes creative scholarship in mathematics and its many related disciplines.

Program Requirements: PhD students must complete 84 semester hours of coursework which must include 12 semester hours of dissertation (799). Students must pass two qualifier examinations, a written comprehensive examination, and an oral comprehensive examination. Each student must write a dissertation and defend it orally in front of five dissertation committee members. See the department website for examination information.

Admission Requirements: Applicants must submit the Graduate College online application. Minimum background for consideration of admission to a graduate program in mathematics includes a bachelor's degree in mathematics or a closely related area with a 3.00 Grade Point Average, and course work in linear algebra (MAT 342) and advanced calculus (MAT 371). Familiarity with computer languages is highly desirable for areas in applied mathematics.

Mathematics Education (PhD) (Mathematics and Statistics Dept - Grades 9-20) LAMTEPHD

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: http://math.la.asu.edu | grad@math.la.asu.edu | PSA 216 | 480/965-3951 | 1804

Official Degree Awarded: Mathematics Education (PhD)

Program Description: The PhD in Mathematics Education through the Mathematics and Statistics Department emphasizes mathematics education at the secondary and collegiate levels.

Medieval Studies (Grad Certificate) LAMEDSTCE

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://www.asu.edu/clas/acmrs> | acmrs@asu.edu | Lattie Coor Hall - 4th Flr Rms 4432, Tempe | 480/965-5900 | 4402

Official Degree Awarded: Medieval Studies (certificate) (CERT)

Program Description: The certificate program prepares students for advanced study or for academic positions by augmenting their skills and knowledge, thereby making them more equipped to handle the demands of their fields.

Since Medieval and Renaissance studies are by nature interdisciplinary, students in the certificate program receive interdisciplinary training. Besides the course work and examinations required in their major field, students take six to nine semester hours outside their discipline and receive training in a Medieval vernacular language or a modern European language.

The core of the program has two components: (1) Latin, the international language for both the Middle Ages and Renaissance, and (2) paleography, the study of the physical medium through which Latin and other languages were transmitted.

For more information, contact the Arizona Center for Medieval and Renaissance Studies.

Program Requirements: One semester (3 to 4 credit hours) of Medieval Latin for M.A. students, two semesters (6 to 8 credit hours) for Ph.D. students, with proficiency attested either by achieving a grade of 'B' or better in the Medieval Latin course (or courses) or by satisfactory performance on the Medieval/Renaissance Latin examinations offered by the Centre for Medieval Studies, University of Toronto. (This requirement presupposes two years or 12 to 16 credit hours or equivalent of undergraduate training in Latin)

Two semesters or 6 credit hours (M.A.), 3 semesters or 9 credit hours (Ph.D.) of a Medieval vernacular language (e.g., Old English, Old Norse, Old French).

One semester (3 credit hours) of paleography.

Two semesters (6 credit hours) of course work outside the major discipline (M.A.), three semesters or 9 credit hours for Ph.D.

A thesis or dissertation in the area of Medieval Studies (3 to 6 credit hours) for students not concentrating in the area for their degree. Students in the area fulfill the thesis requirement by writing a thesis or dissertation in the field.

Admission Requirements: Graduate students admitted to a degree program in any field may earn one of two MA- or PhD-level certificates: the Certificate in Medieval Studies or the Certificate in Renaissance Studies.

Microbiology (MS) LAMICROMS

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://sols.asu.edu/grad/igels/> | sols.grad@asu.edu | LSC 226 | 4809651768 | 4601

Official Degree Awarded: Microbiology (MS)

Program Description: The graduate programs are designed to prepare students for careers in teaching and in research on various aspects of microbiology in educational institutions, industry or government agencies.

Program Requirements: A minimum of 30 semester hours of graduate credit are required, of which at least six hours must be thesis and research credit. The program is planned by the student in consultation with the supervisory committee. Students are expected to achieve, through 18 semester hours of course work, a fundamental understanding of the following subdisciplines: bacterial genetics, immunology, molecular biology, physiology and metabolism and virology. If these course requirements are completed, no comprehensive examination is required. Alternatively, the student may demonstrate this fundamental understanding through the combination of a comprehensive examination, prepared by the student's supervisory committee, and 12 semester hours of formal course work. A thesis is required along with a final oral examination covering the thesis and related to subject matter.

Admission Requirements: Applicants must submit the Graduate College online application. Admission criteria are as follows: Applicants should have completed the requirements for an undergraduate major in biology, microbiology, chemistry, or related discipline, with an adequate background in related courses in plant biology or mathematical and physical sciences; a 3.0 minimum GPA during the student's last two years or last 60 semester hours; minimum GRE scores in verbal (50th percentile), quantitative (70th percentile) and writing (5); and TOEFL scores of 250 computer, 600 paper or 100 internet.

Microbiology (PhD) LAMICROPHD

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://sols.asu.edu/grad/igels/> | sols.grad@asu.edu | LSC 226 | 4809651768 | 4601

Official Degree Awarded: Microbiology (PhD)

Program Description: The graduate programs are designed to prepare students for careers in teaching and in research on various aspects of microbiology in educational institutions, industry or government agencies.

Program Requirements: The program of study is planned by the student and the supervisory committee, consisting of a major professor and three additional faculty members. The program is tailored to the needs of the individual student. Eighty-four semester hours are required. Twelve hours of dissertation are required and the remainder hours are comprised of coursework showing breadth in microbiology and related disciplines, seminars and research. Written and oral comprehensive examinations are required in order to advance to candidacy, and a formal defense of the final written dissertation is required prior to graduation.

Admission Requirements: Applicants must submit the Graduate College online application.

Admission criteria are as follows: Applicants should have completed the requirements for an undergraduate major in microbiology, the plant sciences, biology or related discipline, with an adequate background in related courses in chemistry, mathematical and physical sciences; a 3.0 minimum GPA during the student's last two years or last 60 semester hours; minimum GRE scores in verbal (50th percentile), quantitative (70th percentile) and writing (5); and TOEFL scores of 250 computer, 600 paper or 100 internet. A GRE subject exam is strongly recommended.

Molecular/Cellular Biology (MS) LACELLMMS

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://sols.asu.edu> | sols.grad@asu.edu | LSC 226 | 4809651768 | 4601

Official Degree Awarded: Molecular and Cellular Biology (MS)

Program Description: The MS in Molecular and Cellular Biology degree prepares students for careers that span traditional disciplinary boundaries. The broad-based training provides the necessary skills for professional careers in academic institutions, governmental institutions and industry, particularly those related to health and chemical sciences. The participating faculty in this interdisciplinary degree program are drawn primarily from the Department of Chemistry and Biochemistry and the School of Life Sciences, with additional faculty from the Departments of Bioengineering, Chemical and Materials Engineering, Kinesiology, Physics, Psychology and the School of Human Evolution and Social Change. One striking aspect of studies in this broad area of biological science is the interdisciplinary nature of the field. Similar approaches and techniques are used for studies of biological systems whether they are viral, bacterial, plant or animal.

Program Requirements: Thirty semester hours are required. A minimum of 10 designated semester hours of MCB courses and six hours of research and thesis are required. The remaining courses are selected by the student in consultation with the supervisory committee.

Admission Requirements: Admission criteria are as follows: a 3.0 minimum GPA during the student's last two years or last 60 semester hours; minimum GRE scores in verbal (50th percentile), quantitative (70th percentile), and writing (5); and TOEFL scores of 267 computer, 600 paper, or 100 internet.

Molecular/Cellular Biology (PhD) LACELLPHD

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://sols.asu.edu> | sols.grad@asu.edu | LSC 226 | 4809651768 | 4601

Official Degree Awarded: Molecular and Cellular Biology (PhD)

Program Description: The PhD in Molecular and Cellular Biology degree prepares students for careers that span traditional disciplinary boundaries. The broad-based training provides the necessary skills for professional careers in academic institutions, governmental institutions, and industry, particularly those related to health and chemical sciences. This interdisciplinary degree program includes a doctoral concentration in computational biosciences. The participating faculty are drawn primarily from the Department of Chemistry and Biochemistry and the School of Life Sciences, with additional faculty from the Departments of Bioengineering, Chemical and Materials Engineering, Kinesiology, Physics, Psychology and the School of Human Evolution and

Social Change. One striking aspect of studies in this broad area of biological science is the interdisciplinary nature of the field. Similar approaches and techniques are used for studies of biological systems whether they are viral, bacterial, plant or animal.

Program Requirements: The program of study is planned by the student and the supervisory committee, consisting of a major professor and three additional faculty members; major professor and one other must be from MCB core faculty. Eighty-four semester hours are required. Twelve semester hours of dissertation are required and the remaining hours are comprised of core coursework, seminars and research. An oral and written comprehensive examination are required in order to advance to candidacy, and a formal defense of the final written dissertation is required prior to graduation.

Admission Requirements: Admission criteria are as follows: a 3.0 minimum GPA during the student's last two years or last 60 semester hours; minimum GRE scores in verbal (50th percentile), quantitative (70th percentile), and writing (5); and TOEFL scores of 267 computer, 600 paper, or 100 internet. A GRE subject exam is strongly recommended.

Museum Studies (Grad Certificate) LAMUSEUMCE

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: http://shesc.asu.edu/graduate_studies | anthgrad@asu.edu | Anthropology Bldg, Cady&Tyler Malls, Tempe Campus | 480/965-6215 | 2402

Official Degree Awarded: Museum Studies (certificate) (CERT)

Program Description: The certificate may be taken independently or in conjunction with the MA degree in Anthropology with a concentration in museum anthropology.

Program Requirements: 12 semester hours of required course work and a six-semester-hour internship at an approved museum.

Admission Requirements: Nondegree or graduate students who are accepted into the certificate program. The certificate may be taken independently or in conjunction with the MA degree in Anthropology with a concentration in museum anthropology. In addition to the general requirements for admission to the Graduate College, the School of Human Evolution and Social Change requires applicants to provide a statement of their interests and professional goals and three letters of recommendation. Applicants who received their BA during the past ten years must also submit scores on the Graduate Record Examination. Undergraduate course work in anthropology is not a prerequisite for admission, but is generally advisable. Students may be admitted without such a background and may be required to acquire knowledge of general anthropology in a manner to be specified at the time of admission.

Nanoscience (PSM) LANANPSM

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://physics.asu.edu> | physics.grad@asu.edu | PSF 470 | 480/965-3561 | 1504

Official Degree Awarded: Nanoscience (PSM)

Program Description: The Professional Science Masters (PSM) in Nanoscience is a cohesive program of interdisciplinary courses that provide the knowledge base required for research and innovation in nanoscience. The program incorporates courses in physics, chemistry and biochemistry, materials science, and electrical engineering. Commercial innovation is a particular target goal of the degree, including applications in optics, semiconductor electronics and optoelectronics, sensors, nano-medicine, and healthcare. The PSM in Nanoscience program is suitable for working professionals as well as for students who have obtained traditional BS or MS degrees in related fields.

Program Requirements: To be awarded the PSM degree in Nanoscience, students must complete 30 semester hours of course work and an applied project. Core courses account for 15 of the 30 credits, including society- and intellectual property-based courses in addition to core science courses. Many of the requisite courses are currently offered within the Department of Physics. Most are cross-listed with other units. The program includes a two-semester, student-centered Professional Seminar where the central role of the program as a vehicle for innovation emerges. During the spring semester and summer session, students conduct an individual Applied Project in association with a research group. The degree does not require a thesis. Rather, the Applied Project forms the basis of the final capstone presentation.

Core Courses (two-three credit hours each)

NAN 571 Quantum Physics for Nanoscience (three credits, initial Summer Session)
NAN 593 Applied Project (three credits each, Spring and final Summer Session)
NAN 598 Nanoscience and Society (two credits, final Summer Session)
NAN 598 Innovation and IP Management (two credits, final Summer Session)
NAN 591 Professional Seminar (two credits each fall and spring)

The NAN 505 and 506 courses are designated as alternate core courses, which in some years will be given within the Professional Seminar.

Throughout the program, students interact with research faculty and other students in a variety of disciplines related to nanoscience. Students also meet with visiting speakers and industrialists in the Professional Seminar, as well as other seminars. If taken full-time, the PSM in Nanoscience degree can be completed in twelve months (fall semester, spring semester, and two summer sessions). Another option is our two-year, part-time program, which allows prospective students and their employers flexibility in scheduling their program of study.

Admission Requirements: Applicants who hold a bachelor's degree from a regionally accredited institution in physics, chemistry or a related field are eligible to apply to the program. This program also seeks to attract students already employed in related areas, and who wish to become knowledgeable and skilled in nanoscience. GRE scores are not required for application, but will be taken into consideration if submitted. A TOEFL (or equivalent) score for non-native English speakers will be required when applicable. Applications must be submitted online with accompanying materials as specified on the Graduate College Web site.

Philosophy (History and Philosophy of Science) MA LAHPSMA

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://sols.asu.edu/grad> | Sols@asu.edu | LSC 284 | 480/965-8927 | 4601

Official Degree Awarded: Philosophy (History and Philosophy of Science) (MA)

Program Description: Nationally, there is great interest in science and in understanding the nature of science and the forces that change scientific research. The job market in philosophy is strong for philosophers of science (and especially in the life sciences) with some positions remaining unfilled even when the market is intensely competitive in other areas. In addition, the history and philosophy of science is becoming a strong disciplinary emphasis within growing professional societies. Some programs elsewhere focus on just philosophy or just history, but those that bring the two together are regarded as among the strongest in each area. The objective here is to provide a program for students who come to HPS from the humanities and who seek a career based in philosophical analysis of the sciences. We have the research strength competitive with any program internationally.

Program Requirements: Students will complete 30 hours of graduate coursework for the MS which include:

History of Science (3 Hours)
Philosophy of Science (3 Hours)
Topics in the History of Science (3 Hours)
Topics in the Philosophy of Science (3 Hours)
Research Methods in HPS (3 Hours)
Prospectus Writing (3 Hours)
Research and Thesis (12 Hours)

Philosophy (History and Philosophy of Science) PHD LAHPSPHD

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://sols.asu.edu/grad> | sols@asu.edu | LSC 284 | 480/965-8927 | 4601

Official Degree Awarded: Philosophy (History and Philosophy of Science) (PhD)

Program Description: This Concentration combines solid training in the core areas of philosophy with an emphasis on interdisciplinary studies of the sciences, their history, epistemology, conceptual structure, and their impacts on society. This

degree program is especially appropriate for students with a background in philosophy or those who wish to pursue a degree in Philosophy, and who seek to broaden their disciplinary studies with an historical perspective. Applicants will typically come from undergraduate programs that have included philosophical training or with a Master's degree in philosophy. Science students are eligible as well, and will make up the core courses during their first years. Application is through the Department of Philosophy.

Nationally, there is great interest in science and in understanding the nature of science and the forces that change scientific research. The job market in philosophy is strong for philosophers of science (and especially in the life sciences) with some positions remaining unfilled even when the market is intensely competitive in other areas. In addition, the history and philosophy of science is becoming a strong disciplinary emphasis within growing professional societies. Some programs elsewhere focus on just philosophy or just history, but those that bring the two together are regarded as among the strongest in each area. The objective here is to provide a program for students who come to HPS from the humanities and who seek a career based in philosophical analysis of the sciences. We have the research strength competitive with any program internationally.

Program Requirements: Students will complete 84 hours of graduate coursework for the PhD which include:

History of Science (3 Hours)
Philosophy of Science (3 Hours)
Topics in the History of Science (3 Hours)
Topics in Philosophy of Science (3 Hours)
Research Methods in HPS (3 Hours)
Prospectus Writing (3 Hours)

Additional courses required for the degree include:

A Course in History of Philosophy (3 Hours)
A Course in Value Theory (3 Hours)
Advanced Logic or Approved Equivalent (3 Hours)
Approved Philosophy Or Other Relevant Courses (9 Hours)
HPS 600 Lab (3 Hours, One Credit Each)
Research or Elective Courses Approved By Dissertation Chair (33 Hours)

Philosophy (MA) LAPHILMA

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://www.asu.edu/clas/philosophy/> | philosophy@asu.edu | COOR 3309 | 4809653394 | 4102

Official Degree Awarded: Philosophy (MA)

Program Description: The MA degree program in Philosophy is designed to prepare students either to teach philosophy at the community college level, to enter doctoral programs in philosophy at other institutions, or to be employed in any areas that require critical and analytical thinking (such as medicine, law, government or publishing).

Program Requirements: There are two tracks of study for the MA degree in Philosophy:

THESIS OPTION:

A. Distribution Requirement

1. Each student shall be required to take at least 24 semester hours of approved graduate-level courses, not including PHI 599 Thesis.
2. An additional six hours of PHI 599 Thesis is required (see Thesis Requirements below.)

3. Each student is required to take an approved graduate-level course of three semester hours or more in each of the following four major areas and to obtain at least a "B" (3.00) in each course: epistemology, history, metaphysics and value theory.
4. A thesis is required. This written work must demonstrate the ability to carry out independent research in philosophy.
5. A final oral examination in defense of the thesis is required.
6. Each semester's program of study must be approved by the Director of Graduate Studies.

B. Thesis Requirement

1. Each student must complete 6 semester hours of PHI 599 Thesis; no more than 6 semester hours of PHI 599 may count toward the 30 credit hour requirement.
2. At the end of the third semester of graduate work, each student shall form, with the approval of the Director of Graduate Studies, a thesis committee. One member of the thesis committee shall be designated the Director of the Thesis and shall chair the thesis committee. At least three members of the thesis committee, including the Director, shall be members of the Philosophy Department.
3. After the thesis committee is formed, the student shall, within a reasonable time, present a thesis prospectus to that committee for approval.
4. Once the thesis committee has certified that the student's thesis is sufficiently complete to warrant an oral defense, the student shall present an oral defense of the thesis. The defense cannot take place less than two weeks after the Director of Graduate Studies has made public announcements of the time and place of the defense. The committee's certification is not to be construed as warrant that the committee will not require changes in the thesis after the oral defense.

C. Academic Standards

1. A graduate student is considered to be performing satisfactorily when:
 - a. She/He maintains a "B" average or better in her/his graduate course work and obtains at least a "B" in the courses specified in Part A above.
 - b. Her/His research is progressing satisfactorily.
 - c. Her/His performance of duties incident to any appointment she/he may hold is satisfactory (e.g., teaching assistantship).

The Director of Graduate Studies of the Department maintains academic standards by surveying periodically the records of all graduate students. An individual whose performance according to the above standards is not entirely satisfactory is so notified in writing. Recommendations of the Director of Graduate Studies are communicated to the Chair of the Department, who may direct, on the basis of performance, one of the following:

- . Immediate termination of enrollment.
 - a. Probationary continuation of enrollment.
 - b. Continuation of the graduate program.

The student is welcome to appeal in writing to the Chair of the Department if she/he feels there are extenuating circumstances which should be considered or if she/he feels the faculty action is unfair or unusually severe.

NON-THESIS OPTION

A. Distribution Requirements

1. Each student shall be required to take at least 27 semester hours of approved graduate-level courses, not including PHI 592 Research.
2. An additional three hours of PHI 592 Research is required to prepare the portfolio.

3. Each student is required to take an approved graduate-level course of three semester hours or more in each of the following four major areas and to obtain at least a "B" (3.00) in each course: epistemology, history, metaphysics and value theory.
4. A portfolio is required. This written work must consist of two papers from one of the major areas and must demonstrate the ability to carry out independent research in philosophy.
5. A final oral examination in defense of the portfolio is required.
6. Each semester's program of study must be approved by the Director of Graduate Studies.

B. Portfolio Requirements

1. A portfolio is required. This written work must consist of two papers from one of the major areas and must demonstrate the ability to carry out independent research in philosophy.

C. Academic Standards

1. A graduate student is considered to be performing satisfactorily when:
 - a. She/He maintains a "B" average or better in her/his graduate course work and obtains at least a "B" in the courses specified in Part A above.
 - b. Her/His research is progressing satisfactorily.
 - c. Her/His performance of duties incident to any appointment she/he may hold is satisfactory (e.g., teaching assistantship).

The Director of Graduate Studies of the Department maintains academic standards by surveying periodically the records of all graduate students. An individual whose performance according to the above standards is not entirely satisfactory is so notified in writing. Recommendations of the Director of Graduate Studies are communicated to the Chair of the Department, who may direct, on the basis of performance, one of the following:

- . Immediate termination of enrollment.
 - a. Probationary continuation of enrollment.
 - b. Continuation of the graduate program.

The student is welcome to appeal in writing to the Chair of the Department if she/he feels there are extenuating circumstances which should be considered or if she/he feels the faculty action is unfair or unusually severe.

Admission Requirements: Applicants must submit the Graduate College online application. All applications for admission to the MA degree program in Philosophy must be accompanied by complete transcripts, the applicant's score in the GRE aptitude exam, three letters of recommendation from persons qualified to judge the applicant's potential for graduate work in philosophy, a sample of philosophical writing, a statement of purpose and a TA application.

The graduate application, transcripts, GRE, and TOEFL scores should be sent to

Admissions Office
 Graduate College
 Arizona State University
 PO Box 871003
 Tempe AZ 85287-1003

The letters of recommendation, philosophical writing sample, statement of purpose and TA application should be mailed to

Director of Graduate Studies
 Department of Philosophy
 Arizona State University
 PO Box 874102
 Tempe AZ 85287-4102

The application deadline is February 15.

Philosophy (PhD) LAPHILPHD

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://www.asu.edu/clas/philosophy/> | philosophy@asu.edu | COOR 3309 | 4809653394 | 4102

Official Degree Awarded: Philosophy (PhD)

Program Description: The PhD degree program in Philosophy is designed to prepare students for careers as philosophers and teachers of philosophy, and in areas that may benefit from advanced training in philosophy, such as law, civil service and publishing.

Program Requirements: This degree program requires 84 semester hours, a dissertation, a written comprehensive examination and an oral comprehensive examination. The student's program of study is selected by the student in consultation with the graduate director and the supervisory committee and is approved by the supervisory committee.

Course requirements

To insure breadth in the traditional areas of Philosophy, students will be required to pass with a grade of B or better:

1. Two graduate courses in history of philosophy.
2. Two graduate courses in value theory.
3. Four graduate courses in metaphysics and epistemology (including areas such as philosophy of language, philosophy of science and philosophy of mind).
4. One advanced course in symbolic logic (400 or 500 level). Students may satisfy the logic requirement by examination.

Foreign Language Requirement

None

Comprehensive Examination

Students will be examined in their area of specialization and competence. The written and oral examinations are based on a bibliography compiled by the student and approved by the student's advisory committee. Normally these examinations are taken after the student has completed at least 60 hours of graduate course work.

Dissertation Prospectus

Each doctoral candidate will prepare a prospectus of four to seven pages for the dissertation. The format and design of the prospectus will be determined by the candidate and committee chair. The prospectus should include the following:

1. thesis statement
2. discussion of relevant literature
3. discussion of the approach to the project
4. bibliography

Dissertation

A dissertation based on original research is required. Research for the dissertation is supervised by a committee of at least three faculty members, appointed by the graduate director in consultation with the student. Students must enroll for a minimum of 12 hours of Research or Dissertation credit after admission to candidacy.

Final examination

An oral examination in defense of the dissertation is required.

Admission Requirements: PhD students achieve candidacy status in a letter from the dean of the Graduate College upon passing the comprehensive examinations, and successfully defending the dissertation prospectus.

Physics (MNS) LAPHYSMNS

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://physics.asu.edu> | physics.grad@asu.edu | PSF 470 | 4809653561 | 1504

Official Degree Awarded: Natural Science (Physics) (MNS)

Program Description: The Master of Natural Science (MNS) degree curriculum provides interdisciplinary graduate training in physics, physical science, or physics education. The degree is especially suited for individuals who desire professional training rather than research training. Designed for flexibility, the curriculum also features individualized professional graduate programs. These programs are well-suited to the backgrounds and goals of students. The major is Natural Science and students are expected to emphasize course work in two or more areas of concentration. The program must be interdisciplinary.

Program Requirements: A minimum of 30 semester hours is required for the degree. The supervisory committee, consisting of three faculty members, is appointed by the dean of the Graduate College upon the recommendation of the chair of the Department of Physics. The supervisory committee is formed soon after the student has been admitted to the degree program, and must reflect the interdisciplinary nature of the program. The graduate advisor and the student suggest names of persons to serve on the supervisory committee. The supervisory committee recommends the program of study, after conferring with the student. The supervisory committee may require more courses, depending upon the background of the student and the nature of the proposed program. In some cases undergraduate courses may be required to overcome deficiencies. A thesis is optional. A final written or oral examination, or both, is required. Each examination is administered by the supervisory committee.

Teachers may enroll in these courses in order to earn credit towards re-certification, or to pursue a Master of Natural Science degree (MNS). For some courses, the prerequisites are two semesters of trigonometry-based college physics and an introductory calculus course. These courses are held during the summer. Depending on teacher interest, they may be offered at other times. Additional information about the MNS for high school physics teachers is available on the department's Web site at <http://phy.asu.edu>.

Admission Requirements: Requirements for admission are the availability of resources for the proposed program and a Department of Physics faculty member designated to serve as a graduate advisor. The submission of scores on the GRE (verbal, quantitative, and analytical) is required of all applicants. A TOEFL (or equivalent) score for non-native English speakers will be required when applicable. Applications must be submitted online with accompanying materials as specified on the Graduate College Web site. To obtain application forms, access the department's Web site at <http://phy.asu.edu>.

Physics (MS) LAPHYSIMS

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://physics.asu.edu> | physics.grad@asu.edu | PSF 470 | 4809653561 | 1504

Official Degree Awarded: Physics (MS)

Program Description: The MS in Physics degree program provides graduate instruction and research experience appropriate to many physics-related careers. The structure of the program is flexible enough to allow a wide range of programs of study and a wide range of student backgrounds. It is also suitable for part-time study. Completion of the program requires a minimum of two years, with students typically taking courses for the first three semesters and completing a research project in their final semester. The student defends a master's thesis at the end of the program.

Program Requirements: This program requires 30 semester hours and a thesis. The MS in Physics can emphasize either physics alone or physics in combination with one of the following fields: astronomy and astrophysics, interdisciplinary physics (e.g., with chemistry), technical physics or physics teaching.

A supervisory committee is formed for each student, usually during the first year of study. In each case an appropriate program of study is selected with the approval of the supervisory committee. A research project resulting in a thesis is required of all students enrolled in the program. Every student must complete six, and only six, semester hours of PHY 599. A student may complete as many semester hours of PHY 592 as they wish, however, no more than nine semester hours of PHY 592 can be counted toward the 30 semester hours required for the MS in Physics degree.

The final examination for the program is an oral examination on the subject of the student's thesis and on graduate course work taken.

Admission Requirements: To be admitted to the MS in Physics program without deficiencies, applicants should have adequate undergraduate preparation equivalent to an undergraduate major of 30 semester hours in physics and 20 semester hours in mathematics. Courses in analytic mechanics, electromagnetism, and modern physics, including quantum mechanics, are particularly important.

Students applying for admission must submit test scores for the verbal, quantitative, and analytical sections of the Graduate Record Examination (GRE). Submission of test scores for the Physics GRE subject exam is recommended although not mandatory. A TOEFL (or equivalent) score for non-native English speakers will be required when applicable. Applications must be submitted online with accompanying materials as specified on the Graduate College website.

Financial support in the form of teaching or research assistantships is contingent upon satisfactory performance in course work, timely completion of the final examination for the MS degree, and need and availability of such support. Students on probation are offered financial support only under exceptional circumstances.

Physics (PhD) LAPHYSIPHD

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://physics.asu.edu/> | physics.grad@asu.edu | PSF 470 | 4809653561 | 1504

Official Degree Awarded: Physics (PhD)

Program Description: The PhD in Physics degree offered by the Department of Physics is intended for highly capable students having the interest and ability to pursue a career in independent research. The degree marks the transition from student of physics to independent physicist. PhD in Physics graduate students are the heart and soul of research activities in any physics department. The ASU graduate program in physics has over 100 PhD students working with members of the physics graduate faculty, which extends beyond the departmental faculty to include PhD faculty members from related disciplines, which currently include chemistry and biochemistry, biology, electrical engineering and materials science.

Program Requirements: This degree program requires 84 semester hours, a dissertation, a written comprehensive examination and an oral comprehensive examination.

PhD physicists enter careers ranging from academic faculty to industrial research to administration and management. To accommodate this broad spectrum of opportunities, the Department of Physics offers PhD programs in both physics and applied physics and encompassing a wide range of options as stated below. The goal is to provide, through course work and independent study, an advanced competence in fundamental, applied and interdisciplinary branches of physics, as well as a demonstrated ability to conduct independent research.

Each PhD student's progress is overseen by a supervisory committee, largely chosen by the student under oversight of the Graduate Program Committee. The supervisory committee approves the student's program of study. A total of 18 hours of core Physics courses are required of all Physics students and should ideally be completed within the first year of graduate study.

Core Courses (3 semester hours each)

PHY 521 Classical and Continuum Mechanics

PHY 531 Electrodynamics

PHY 541 Statistical Physics

PHY 576 Quantum Theory

PHY 500 Research Rotation I

PHY 500 Research Rotation II

Research rotations offer a novel means for incoming PhD graduate students to experience research in two separate sub-areas of physics prior to choosing a thesis topic. The two PHY 500 research rotations must be taken with different faculty advisors and on significantly different topics. Students select their top choices for research rotations from a catalog of available projects. Assignments are then made by the Graduate Program Committee, which attempts to optimize student choices. Students may

approach any member of the physics graduate faculty about potential projects, although this does not guarantee assignment to that specific project. As an integral part of each research rotation, students produce a formal written report to document their activities during the project and their resulting analysis and conclusions.

Specific areas of emphasis within the PhD program often require additional coursework as determined by the student's advisor and supervisory committee in consultation with the student. Current areas of emphasis within the Department of Physics are biological physics, electron diffraction and imaging, nanoscale and materials physics, and particle physics and astrophysics.

The PhD written and oral comprehensive examinations are taken at the beginning of the student's second year. Students choose one written report from their two research rotations and expand it (generally over the summer while conducting summer research) into a professional-level report of about 20 pages. The student orally defends this report to a three person committee that is not related to the student's eventual thesis committee. The primary intent of the oral exam is to probe the student's grasp of broad fundamental physics, emphasizing topics covered in the core PhD courses. In addition, the committee may explore the student's understanding of specific topics contained in the written report.

Students enrolled in the PhD program may obtain an 'MS degree in passing' by satisfactorily filing and completing an MS program of study, maintaining a GPA of at least 3.00 in a set of designated core courses within a total of at least 30 semester hours, and passing the PhD written and oral comprehensive examinations. The courses may include those designated for the chosen emphasis of the student's doctoral program. Specific graduate courses may be waived by petition to the Graduate Program Committee upon presenting evidence of equivalent courses previously taken at another institution and provided the prior courses were not required for a previous degree.

Admission Requirements: Applicants to the Department of Physics PhD program must hold at least a baccalaureate degree from a recognized institution and must have had adequate undergraduate preparation equivalent to an undergraduate major of 30 semester hours in physics and 20 semester hours in mathematics. Courses in analytic mechanics, electromagnetism, and modern physics, including quantum mechanics, are particularly important. Applicants must submit test scores for the verbal, quantitative, and analytical sections of the GRE. Submission of test scores for the Physics GRE subject exam is highly recommended although not mandatory. A TOEFL (or equivalent) score for non-native English speakers will be required when applicable.

Applications must be submitted online with accompanying materials as specified on the Graduate College Web site. Applicants requesting credit for prior graduate courses, taken either at ASU or elsewhere, must demonstrate mastery of the relevant course material to the graduate level standards of the Department of Physics.

Financial support in the form of teaching or research assistantships is contingent upon satisfactory performance in course work, timely completion of examinations, including the written and oral PhD comprehensive examinations, and the need and availability of such support. Students on probation are offered support only under exceptional circumstances. The period for which a PhD candidate may receive financial support through the Department of Physics does not normally exceed six years.

Plant Biology (MNS) LALIFESMNS

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://sols.asu.edu> | sols.grad@asu.edu | LSC 226 | 4809651768 | 4601

Official Degree Awarded: Natural Science (Plant Biology) (MNS)

Program Description: The School of Life Sciences participates in the program leading to the MNS degree when one of the concentrations is Biology, Microbiology or Plant Biology. This interdisciplinary degree is designed to meet the needs of professionals seeking a graduate-level degree.

Program Requirements: This degree program requires 30 semester hours, a written comprehensive exam and an oral comprehensive exam. A thesis option is available. Students are expected to emphasize course work in two or more areas of concentration. The program must be interdisciplinary. The supervisory committee, consisting of three faculty members, is appointed by the dean of the Graduate College upon the recommendation of the chair of the academic unit in which the graduate advisor serves as a faculty member. The composition of the supervisory committee must reflect the interdisciplinary nature of the program. A program of study is recommended by the supervisory committee after conferring with the student. The minimum number of semester hours required for the degree is 30. More may be required by the supervisory committee, depending upon the

background of the student and the nature of the proposed program. In some cases undergraduate courses may be required to remove deficiencies. A thesis is optional. A final written or oral examination, or both, is required. Each examination is administered by the supervisory committee.

Admission Requirements: Applicants must submit the Graduate College online application. Admission criteria are as follows: a 3.0 minimum GPA during the student's last two years or last 60 semester hours; minimum GRE scores in verbal (50th percentile), quantitative (70th percentile) and writing (5); and TOEFL scores of 250 computer, 600 paper or 100 internet.

Plant Biology (MS) LAPLBIOMS

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://sols.asu.edu> | sols.grad@asu.edu | LSC 226 | 4809651768 | 4601

Official Degree Awarded: Plant Biology (MS)

Program Description: The program is designed to prepare students for careers in teaching and research in educational, Medical, industrial and governmental institutions.

Program Requirements: This degree program requires 30 semester hours and a thesis. The program must include at least three semester hours of research, three semester hours of thesis, and one hour of participatory seminar (PLB 591). The program is planned by the student in consultation with the supervisory committee.

Admission Requirements: Applicants must submit the Graduate College online application. Applicants should have completed the requirements for an undergraduate major in the plant sciences, biology or related discipline; a 3.0 minimum GPA during the student's last two years or last 60 semester hours; minimum GRE scores in verbal (50th percentile), quantitative (70th percentile) and writing (5); and TOEFL scores of 250 computer, 600 paper or 100 internet.

Plant Biology (PhD) LAPLBIOPHD

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://sols.asu.edu/grad/> | sols.grad@asu.edu | LS C226 | 4809651768 | 4601

Official Degree Awarded: Plant Biology (PhD)

Program Description: The PhD in Plant Biology program is designed to prepare students for careers in teaching and research in educational, Medical, industrial, and governmental institutions.

Program Requirements: The PhD in Plant Biology program requires 84 credit hours, a dissertation and written and oral comprehensive examinations. The program must include a maximum of 12 hours dissertation credit and at least 30 hours of formal graduate course work. Two hours of PLB 591 participatory seminar are included in the required course work. Courses numbered 590 or 790 (reading and conference) are not considered formal courses. The program is planned by the student in consultation with a supervisory committee, consisting of a major professor and three additional faculty members.

Admission Requirements: Applicants must submit the Graduate College online application.

Applicants should have completed:

1. the requirements for an undergraduate major in the plant sciences, biology, or related discipline, with an adequate background in related courses in chemistry, mathematical and physical sciences,
2. a 3.0 minimum GPA during the student's last two years or last 60 semester hours,
3. minimum GRE scores in verbal (50th percentile), quantitative (70th percentile), and writing (5), and
4. TOEFL scores of 250 computer, 600 paper, or 100 internet,
5. a GRE subject exam is strongly recommended.

Political Science (MA) LAPOLSCMA

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://www.asu.edu/clas/polisci/> | polisci@asu.edu | COOR HALL 6700 | 4809656551 | 3902

Official Degree Awarded: Political Science (MA)

Program Description: The MA in Political Science program provides advanced education for students preparing for teaching, research or applied careers in political science. It may be taken as a terminal program or as a step toward eventual fulfillment of the requirements for the PhD. Students may apply directly to the doctoral program or master's program.

Program Requirements: A minimum of 31 semester hours is required for the Master of Arts degree in political science. This program includes both a thesis and non-thesis option. All candidates must take POS 503 and the core course in the student's major and minor fields. Each student must take a pass/fail one semester hour workshop course each semester. In the spring of the first year, the student is required to take POS 598 ST: Teaching and Writing Workshop. Additional hours must be taken in graduate-level courses and seminars. Each student is expected to take seminars each semester in his/her major field, minor field, and an elective until course work is completed. If the thesis option is followed, the program must include a combination of at least six semester hours of research (POS 592) and thesis (POS 599) credit. A maximum of six semester hours in approved courses taken outside the department and six hours of reading and conference (POS 590) courses may count toward the 30 hour requirement.

Admission Requirements: Applicants must submit the Graduate College online application.

The following items should be submitted to the Department of Political Science by February 1 in order to ensure recommendations for admission to the MA program beginning the following fall:

1. scores from the verbal, quantitative, and analytical sections of the Graduate Record Examination (GRE),
2. three letters of recommendation from persons who can evaluate the applicant's academic performance and potential,
3. a career overview statement which describes the applicant's educational objectives, and
4. a writing sample that best represents the applicant's thinking and writing skills.

Departmental application materials should be mailed to:

Graduate Coordinator
Department of Political Science
PO Box 873902
Tempe AZ 85287-3902

Applicants for financial aid should submit these items and complete the application form for graduate assistantships by February 1.

Undergraduate course work in political science is not a prerequisite for admission. However, MA students should have a basic understanding of elementary statistics and the undergraduate content of the political science fields of concentration that they wish to study. Students should allow sufficient time to acquire such a background.

Political Science (PhD) LAPOLSCPHD

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://www.asu.edu/clas/polisci/> | polisci@asu.edu | COOR HALL 6700 | 4809656551 | 3902

Official Degree Awarded: Political Science (PhD)

Program Description: The Department of Political Science offers a PhD in Political Science.

Program Requirements: This degree program requires 84 credit hours, a dissertation, and written and oral comprehensive examinations. A minimum of 60 semester hours of graduate courses beyond the baccalaureate degree and approved by the

student's supervisory committee shall constitute the formal course preparation, followed by a minimum of 24 semester hours of research and dissertation work. The supervisory committee has three members, including the committee chair from the student's major field, and two members from a minor field. As part of the 60 semester hours, the student must take POS 503 and 603. Each student must take a pass/fail one-semester-hour workshop course each semester. In the spring of the first year, the student is required to take POS 598 ST: Teaching and Writing Workshop. A maximum of 12 semester hours of approved course work outside the department and 12 semester hours of approved reading and conference courses (POS 590 and 790) may count toward the 60 semester hours.

Admission Requirements: Applicants must submit the Graduate College online application.

In addition to meeting Graduate College requirements, an applicant for the PhD program must take the verbal, quantitative, and analytical sections of the GRE; supply a career overview statement that describes the applicant's educational objectives; submit three letters of recommendation from persons who can evaluate the applicant's undergraduate and graduate work; and provide a sample of writing. These items should be submitted before February 1 to:

Graduate Coordinator
Department of Political Science
PO Box 873902
Tempe AZ 85287-3902

Applicants for financial aid should also complete and submit the application form for graduate assistantships by February 1.

PhD students should have a basic understanding of elementary statistics and the content of the areas of concentration that they wish to study. Students should allow sufficient time to acquire such a background.

Psychology (PhD) LAPSYCHPHD

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://www.asu.edu/clas/psych/> | psygrad@asu.edu | PSY 296 | 4809657606 | 1104

Official Degree Awarded: Psychology (PhD)

Program Description: The Department of Psychology offers doctoral programs designed to provide outstanding training in innovative research, methodology, and the application of psychological principles to a wide variety of human conditions. The department is organized into six major areas of interest:

1. behavioral neuroscience;
2. clinical;
3. cognition, action, and perception;
4. developmental;
5. quantitative; and
6. social psychology.

Students pursue their graduate studies within one of these six areas, and each area determines the basic curriculum for their graduate program. There is, however, substantial opportunity to integrate courses of study across areas in the department. Further, specialized emphases are available that integrate across programs in the university (e.g., cognition, action, and perception studies and arts, law and psychology, media, and engineering). At the core of doctoral training in psychology is an emphasis on the development of skill in research and quantitative methods. Faculty in all six areas are actively engaged in major research programs. These theoretically grounded research programs address the breadth of psychological processes from basic research in the neurobiological processes that underlie behavior and health (e.g., drug abuse, stress, heart disease), cognitive processes involving human memory and perception, personality and issues of stigma and prejudice, and developmental aspects of emotion and cognition to more applied research that address prevention of child mental health problems, individual resilience, cultural influences on psychological processes, and women's issues.

A particularly unique strength of the department of psychology is the wealth of outstanding faculty whose specialization is quantitative methods. A breadth of courses and experiences in quantitative methods are available that are well integrated into the areas of research that characterize the department, and offer students a rare opportunity to develop expertise in this critical domain.

Program Requirements: A minimum of 84 semester hours which includes 24 semester hours of research and dissertation beyond the bachelor's degree are required.

In addition to a core curriculum, students take courses related to their area of interest as determined in consultation with their supervisory committees. Requirements vary across training areas.

Admission Requirements: Completed applications, including all letters and supporting documents, must be received by December 15 for applicants to the clinical program, and by January 5 for all other applicants (behavioral neuroscience, cognitive, developmental, quantitative, social psychology).

All applicants are required to submit scores on the Graduate Record Examination (an advanced test in psychology is also required for clinical psychology), as well as transcripts, three letters of reference, and a statement of purpose. International students must include their TOEFL scores.

All materials, except for letters of recommendation, should be submitted to the Graduate College. The letters of recommendation, as well as copies of the statement of purpose, transcripts, and GRE scores (unofficial copies are acceptable) should be sent directly to

Coordinator of Graduate Admissions
Psychology Department
PO Box 871104
Arizona State University
Tempe AZ 85287-1104

Psychology - Cogn, Act, and Perc (Arts, Media, and Engineering) (PhD) **LAPSYCPHD**

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://www.asu.edu/clas/psych/> | M.M@asu.edu | PSY 296 | 480/965-7606 | 1104

Official Degree Awarded: Psychology (Cognition, Action and Perception in Arts, Media and Engineering) (PhD)

Program Description: Psychology Cognition, Action, Perception and Arts, Media, Engineering (CAP-AME) (PhD)

Quantitative Research Methods (PhD) LAPSYQUPHD

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://www.asu.edu/clas/psych/> | psygrad@asu.edu | PSY 296 | 480/965-7606 | 1104

Official Degree Awarded: Psychology (Quantitative Research Methods) (PhD)

Program Description: The Quantitative Concentration of the PhD in Psychology focuses on the broad class of quantitative and methodological issues that arise in the conduct of both basic and applied psychological research. There are seven core faculty members in the Quantitative Concentration, of whom five are also affiliated with a substantive area. This dual affiliation supports the training of students of quantitative methods against a backdrop of methodological issues associated with the development of the substance of psychological science. The Quantitative Concentration is committed to training the next generation of psychological methodologists, who will make contributions in developing methods in the areas of measurement, design, and analysis, and to evaluating the utility of new and existing methods for use in psychological research.

Program Requirements: The program total is 84 semester credits. The quantitative curriculum is structured into a series of progressively more advanced courses. New quantitative/methodological courses may be implemented under an omnibus number

(Psychology 591) at the interest of the faculty. The current requirements are as follows: Seven required courses (PSY 530: Analysis of Variance; PSY 531: Multiple Regression Analysis; PSY 532: Analysis of Multivariate Data; PSY 533: Structural Equation Modeling; PSY 534: Psychometric Methods; PSY 555: Experimental and Quasi-Experimental Designs; and PSY 591: Quantitative Seminar); three psychological methodology electives; six credits of substantive course work; six credits in additional substantive or methodological electives; six credits of PSY 592 (master's thesis); 12 credits of PSY 792 (post-master's research); and 12 credits of PSY 799 (dissertation).

Admission Requirements: Students are admitted directly to the PhD program, with the expectation that the student will progress through a Master's Degree to the PhD. GRE scores are required, as well as three letters of recommendation, preferably at least two from individuals within the academic community; a brief statement of purpose (900 words or less); an applicant response form; official transcripts of all previous undergraduate and graduate study; application form; and application fee.

Religious Studies (MA) LARELIGMA

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: http://www.asu.edu/clas/religious_studies/ | Religious.Studies@asu.edu | ECA 377 | 4809657145 | 3104

Official Degree Awarded: Religious Studies (MA)

Program Description: The Department of Religious Studies offers an MA in Religious Studies.

Program Requirements: This degree program requires 30 semester hours, a thesis, an applied project, and a foreign language examination.

Thesis Option

This option is recommended for students intending to seek admission to a doctoral program upon completion of the MA degree or planning to teach in the discipline at community colleges. For the thesis option, the student must satisfy the following requirements:

1. reading knowledge of French, German, or another language relevant to the proposed thesis topic is required,
2. 24 hours of course work, including six hours in methods and theory (REL 501, 502), six hours of graduate seminar (REL 591), offered each semester on varying topics within the academic study of religion, and three hours of research (REL 592) to prepare the thesis proposal,
3. a thesis that earns six semester hours of 599 thesis credit, and
4. an oral defense of the thesis.

Portfolio Option

This option is recommended for students intending to augment their primary area of expertise and professional training in fields such as journalism, law, teaching K12, counseling, social work and the ministry. For the portfolio option, the student must satisfy the following requirements:

1. reading knowledge of a foreign language relevant to the proposed area of concentration,
2. 30 hours of course work, including six hours in methods and theory (REL 501, 502), six hours of graduate seminar (REL 591), four courses in a major area of concentration, and two courses in a minor area,
3. a portfolio consisting of three publishable papers: one on theory and method, one on the student's minor area of study, and one on the major area of study, and
4. an oral defense of the portfolio.

Admission Requirements: Applicants must submit the Graduate College online application. To be eligible for admission to the graduate program in Religious Studies, an applicant must submit the following:

1. test scores from the Graduate Record Exam,
2. completed the equivalent of 15 hours of undergraduate work in the study of religions, including advanced courses in both Western and Asian or other non-Western religions. Students without the necessary background in religious studies

may remove deficiencies by taking additional specified courses (which may or may not count toward the fulfillment of degree requirements) at the beginning of their program of study,

3. three academic letters of reference to be sent to the graduate coordinator of the department,
4. a statement of purpose of approximately 1,000 words outlining the academic background, career goals, and specific area of interest in religious studies in relation to fields offered by the faculty, to be sent to the graduate coordinator of the department.

Complete applications are due by January 1.

Religious Studies (PhD) LARELIGPHD

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: http://www.asu.edu/clas/religious_studies/ | gradrs@asu.edu | ECA 377 | 4809657145 | 3104

Official Degree Awarded: Religious Studies (PhD)

Program Description: The academic study of religion is a central component of the humanities and has become increasingly recognized as a critical tool in understanding society and politics in a globalized world. The PhD program has two main goals: (1) to train graduate students for careers as scholars and teachers in the academic study of religion and (2) to provide supplementary training for graduate students in a range of related programs (including history, anthropology, political science, journalism, secondary education, and justice studies) who would benefit from greater expertise regarding the nature and role of religion around the world.

Program Requirements:

Course Work

The program of study must contain a minimum of 84 semester hours of course work, including 24 hours of dissertation research and writing, approved by the students supervisory committee, department chair, and the dean of the Graduate College. The breakdown is as follows:

- 30 semester hours completed for masters degree (Phase I)
- 30 semester hours of additional course work (Phase II)
- 24 semester hours of dissertation research and writing (Phase III)

Graduate course work taken at other accredited institutions may be included in the program of study. Ordinarily a masters degree program successfully completed at another accredited institution may be included in a program of study as the equivalent of 30 semester hours.

Phase I

The first phase consists of 30 semester hours of graduate course work and readings, which must include:

1. three semester hours of research (REL 592) and six semester hours of thesis (REL 599) credit for the thesis or three semester hours of research (590) for a research paper,
2. six hours of method and theory (REL 501 and 502), and
3. up to six semester hours in approved courses taken outside the department (no more may count toward the 30 hour requirement).

Mastery of the Phase I course material is demonstrated by successful completion and oral defense of the thesis or the research paper.

Students who apply to the program with an MA may be admitted directly into Phase II of the doctoral program, although deficiencies may be identified. Students entering the program with an MA degree may receive credit for some or all of the 30 semester hours in the first phase of the PhD program.

Phase II

Phase II consists of completing 30 semester hours of course work per the requirements listed below, passing the foreign language examination, passing the comprehensive examinations, and successfully defending the dissertation prospectus. A student in the second phase of the PhD program in Religious Studies must take a total of 30 semester hours of graduate courses. Twelve of these hours may be taken outside the department. Please note the following requirements and components of course work for Phase II:

1. three hours of teaching world religions,
2. six hours of core courses in the students specialty area,
3. six to nine hours of seminars taken with the advice and consent of the students advisor, and
4. three hours of the religious studies workshop.

Admission Requirements: In addition to the general requirements for admission to the Graduate College, applicants must also submit:

1. GRE scores,
2. international applicants from non-native English speaking countries must submit a TOEFL score,
3. a statement of purpose of approximately 1,000 words,
4. three letters of recommendation from faculty members or others who are qualified to judge the applicants potential for doctoral study, and
5. a writing sample.

Applicants should send the statement of purpose, letters of recommendation, and writing sample directly to the Department of Religious Studies. Completed applications are due by January 15.

The applicant must have completed the equivalent of 15 semester hours of undergraduate work in the study of religions, including advanced courses in both Western and Asian or other non-Western religions.

Renaissance Studies (Grad Certificate) LARENAISCE

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://www.asu.edu/clas/acmrs> | acmrs@asu.edu | Lattie Coor Hall - 4th Flr Rms 4432, Tempe | 480/965-5900 | 4402

Official Degree Awarded: Renaissance Studies (certificate) (CERT)

Program Description: The certificate program prepares students for advanced study or for academic positions by augmenting their skills and knowledge, thereby making them more equipped to handle the demands of their fields.

Since Medieval and Renaissance studies are by nature interdisciplinary, students in the certificate program receive interdisciplinary training. Besides the course work and examinations required in their major field, students take six to nine semester hours outside their discipline and receive training in a Medieval vernacular language or a modern European language.

The core of the program has two components: (1) Latin, the international language for both the Middle Ages and Renaissance, and (2) paleography, the study of the physical medium through which Latin and other languages were transmitted.

For more information, contact the Arizona Center for Medieval and Renaissance Studies.

Program Requirements: One semester (3 to 4 credit hours) of Medieval/Renaissance Latin for M.A. students, two semesters (6 to 8 credit hours) for Ph.D. students, with proficiency attested either by achieving a grade of 'B' or better in the Medieval Latin course (or courses) or by satisfactory performance on the Medieval/Renaissance Latin examination offered by the Centre for Medieval Studies, University of Toronto. (This requirement presupposes two years or 12 to 16 credit hours or equivalent of undergraduate training in Latin).

Two semesters or 6 credit hours (M.A.), three semesters or 9 credit hours (Ph.D.) of a modern language at the upper division level.

One semester (3 credit hours) of paleography.

Two semesters (6 credit hours) of course work outside the major discipline (M.A.), or three semesters (9 credit hours) for Ph.D.

A thesis or dissertation in the area of Renaissance Studies (3 to 6 credit hours) for students not concentrating in the area for their degree. Students in the area fulfill the thesis requirement by writing a thesis or dissertation in the field.

Admission Requirements: Graduate students admitted to a degree program in any field may earn one of two MA- or PhD-level certificates: the Certificate in Medieval Studies or the Certificate in Renaissance Studies.

Rhetoric/Composition/Linguistics (PhD) LAENRHTPHD

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://www.asu.edu/clas/english/gradstudies/enggrad.htm> | enggrad@asu.edu | LL 543B | 4809653194 | 0302

Official Degree Awarded: English (Rhetoric, Composition and Linguistics) (PhD)

Program Description: The PhD concentration in rhetoric/composition and linguistics promotes the study of the production, distribution and interpretation of oral and written texts. It focuses on rhetorical and linguistic structures and functions within the texts and on the internal and external factors involved in the creation of these texts. Requirements are designed to encourage a full understanding of theoretical and applied aspects of both rhetoric/composition and linguistics and their intersection. Flexibility in requirements makes it possible for students to pursue those aspects of the disciplines which interest them the most. Courses explore both historical and current theoretical approaches. The program prepares students for entrance into the field as teachers, scholars and professionals.

Program Requirements: The PhD program requires 84 credit hours, a dissertation, a written comprehensive examination, an oral comprehensive exam, and a foreign language exam. In general, a student with an appropriate master's degree must complete a minimum of 54 semester hours of approved graduate work, which includes 12 hours of dissertation. Research hours may be used towards coursework in consultation with the advisor. A student without an appropriate master's degree usually must complete 84 hours of work at ASU. At the advisor's discretion, students may include up to 12 hours of appropriate, graduate-level course work undertaken at another university, and not previously counted towards any other degree. Specifically required are ENG 500 Research Methods, a 12-semester-hour foundational distribution (one course in rhetoric, one course in composition studies, and two courses in linguistics), and a 12-semester-hour advanced studies distribution requirement that consists of courses at the 600-level required by the distribution from one area of study (rhetoric, composition, or linguistics), or a combination of areas in which the student would like to concentrate. Up to 12 semester hours of course work taken outside the department may be counted toward the degree. Students should consult with an advisor when choosing these courses.

Admission Requirements: Applicants must submit a Graduate College online application. Applicants for the PhD degree in English must also submit three letters of recommendation, a statement of purpose, an academic writing sample, a vita, and GRE general scores. Deadline for admission applications and requests for financial aid, including teaching assistantships, is February 1. Incomplete files are not considered.

Materials should be sent to:

Graduate Coordinator
Department of English
Arizona State University
PO Box 870302
Tempe AZ 85287-0302

Scholarly Publishing (Grad Certificate) LASCHPUBCE

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: http://www.asu.edu/clas/history/areas/scholarly_publishing.html | kent.calder@asu.edu | Coor Hall Building 4th Floor, Tempe Campus | 480/965-7726 | 4302

Official Degree Awarded: Scholarly Publishing (certificate) (CERT)

Program Description: The Scholarly Publishing Certificate Program offers graduate students in any discipline the opportunity to receive training in publishing studies. The program prepares students to enter scholarly publishing fields, university presses, higher education publishing, reference publishing, or to engage successfully in publishing activities they will encounter as academic professionals, such as journal publishing and documentary editing.

Program Requirements: Course work includes a required core, required courses in editing or design, and electives from a variety of disciplines. The certificate requires 28 hours of course work, including six internship hours. Some courses may be applied to both the certificate and the student's degree program.

Admission Requirements: Graduate students in any discipline may pursue a certificate in Scholarly Publishing in conjunction with their degree programs. The program is also open to students who already hold graduate degrees. Applicants are strongly urged to submit Graduate Record Examination aptitude scores; a writing sample is required. The application deadline is February 1. For more information, contact the director, Scholarly Publishing Program, COOR 4500, 480/965-7726.

Social Science and Health (PhD) LASSHPHD

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: http://shesc.asu.edu/graduate_studies | shesc@asu.edu | Anthropology | 480/965-6213 | 2402

Official Degree Awarded: Social Science and Health (PhD)

Program Description: The PhD in Social Science and Health draws on the premise that sustainable and satisfying solutions to our most pressing global health challenges requires a sophisticated understanding of how cultural context, social and ecological processes, and disease are really related. The transdisciplinary graduate program trains students broadly in cutting-edge health social science research theory and methods. While it leverages the strength in Medical anthropology at ASU (including the 15 Medical anthropologists on campus), it also takes advantage of a much wider set of skills offered by such fields as Medical sociology, demography, human geography and epidemiology. It is designed to train those who anticipate either working in transdisciplinary academic settings, Medical schools, or non-academic health settings, such as governmental agencies, NGOs, and the commercial sector. Some particular thematic foci of the program are: culture and health, social justice and vulnerable populations, health in the Americas, nutritional anthropology, urban and environmental health, indigenous and minority health, biocultural approaches to human coping, mathematical epidemiology and computer based complexity modeling, and social networks. The programs draw some 80 faculty from all across the university to consider how cutting-edge social science can be applied to not only understand but also improve substantively the health of populations. The program favors community-based research and runs collaborative projects in which students are encouraged to gain experience and conduct research, from large US cities to hunter-gatherer communities. Students generally enter the program with an MA in a relevant field.

Program Requirements: The PhD program consists of 84 hours of coursework post BA, or 54 (30 coursework, 24 research and dissertation) hours post MA and a dissertation. Students are admitted to candidacy on the basis of a written and oral examination. Students entering the PhD in Social Science and Health do so with diverse backgrounds and with varied career goals. Curricular tracks will tend to be individualized and final determination of the most appropriate course of study or how each requirement should most appropriately be met is made by a student's advisory committee in consideration of the research and career goals of the student. The plan should ensure that graduates are strong in both social science theory and appropriate health research methods, and considerable experience in community-level research and its application. Generally, students are expected to complete a core class in social and bio-cultural theories of health, a course in ethics relevant to health social science, a research design/ proposal writing course, at least two advanced statistics courses, training in epidemiology, and gain experience in a range of additional methods such as nutrition, survey, archival analysis, demography, social network analysis, GIS, modeling, or text analysis. Students should also gain community-based internship/ practicum experience prior to advancement to candidacy. The appropriate form and duration will be determined by the student's advisory committee as appropriate to the proposed dissertation project and/or career plans of the candidate. In most cases, demonstration of language competency is expected; the form and level of competency required will be determined by the student's advisory committee as appropriate to the proposed dissertation project and career plans of the candidate. Also recommended is formal training in instruction, such as the short courses provided by the Center for Learning and Teaching Excellence.

Admission Requirements: In addition to the general requirements for admission to the Graduate College, the School of Human Evolution and Social Change requires applicants to provide a statement of their interests and professional goals, list those faculty with whom they are interested in working, and three letters of recommendation. Applicants who received their BA within the last

10 years must also submit scores on the Graduate Record Examination. Suitable backgrounds for admission include an MA in the social sciences (such as anthropology or sociology), public health, human biology or related fields. Students entering directly from the BA should already have completed at least 15 hours of social science and six hours of human biology, or equivalent, at the senior level, and have some background in statistics and/or epidemiology.

Sociology (MA) LASOCMA

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://www.asu.edu/clas/ssfd> | ssfd@asu.edu | Social Science 144 | 4809656875 | 3701

Official Degree Awarded: Sociology (MA)

Program Description: This degree program provides advanced training for those preparing for teaching, research, or applied careers in sociology, and may be taken either as a terminal program or as a step toward eventual fulfillment of requirements for the PhD.

Program Requirements: A MA in Sociology program requires the successful completion of a minimum of 32 semester hours, including an 11-hour core curriculum, three hours of theory (SOC 585), six hours of research methods and statistics (SOC 500 and 505), and one hour of sociology as a profession (SOC 503), with the balance to be drawn from substantive courses and six hours earned through a thesis (SOC 599).

Admission Requirements: Admission to the program is determined by the following criteria:

1. Graduate Record Examination (GRE) scores (verbal, quantitative, and writing),
2. three letters of appraisal from persons familiar with the applicant's academic background,
3. valid transcripts of the student's academic record,
4. a writing sample, and
5. a statement of purpose provided by the applicant.

The application deadline is January 15.

Sociology (PhD) LASOCPHD

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://www.asu.edu/ssfd> | ssfd@asu.edu | Social Science 144 | 480/965-6978 | 3701

Official Degree Awarded: Sociology (PhD)

Program Description: This degree provides advanced training in theory, research methodology and substantive fields to prepare sociologists for teaching and research with special emphasis on family, demography and health issues.

Program Requirements: This degree program requires 84 semester hours, a dissertation and written and oral comprehensive examinations. Thirty semester hours from a previously awarded master's degree can be applied to the 84 semester-hour requirement. The PhD requires 54 semester hours beyond the master's degree. Three semester hours of each, theory, methods, and statistics are required, and 24 semester hours are earned through dissertation and research. The remaining 21 semester hours are in substantive courses reflecting the student's specialization. First-year PhD students are required to take Sociology as a Profession (503). A minimum of 30 semester hours of the approved PhD program, exclusive of dissertation and research hours, must be completed after admission to the PhD program at ASU.

Admission Requirements: Applicants must submit the Graduate College online application. Admission to the program is determined by the following criteria: GRE scores (verbal, quantitative, and writing), three letters of appraisal from persons familiar with the applicant's academic background, valid transcripts of the applicant's academic record, a writing sample and a statement of purpose provided by each applicant. Applicants should have an MA or its equivalent in Sociology or a related field. The option is available for a few outstanding undergraduates to apply directly to the PhD program. These students must obtain an MA in passing. The application deadline is January 15.

Spanish (MA) LASPANMA

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://www.asu.edu/clas/silc/spa/gradpage> | silc@asu.edu | LL 440 | 4809656281 | 0202

Official Degree Awarded: Spanish (MA)

Program Requirements: The program of study for the MA degree includes a minimum of 30 semester hours of graduate-level work and a thesis, as approved by the candidate's supervisory committee. Students seeking an MA degree in Spanish should consult with the respective director of graduate studies.

Comprehensive Examination: All candidates are required to pass a comprehensive written or oral examination designed to evaluate the candidate's knowledge in the area of specialization. A reading list is provided as a guide to preparation for this examination.

Admission Requirements: Students interested in applying to this program must submit a Graduate College online application. Candidates for the MA degree should, upon entrance, present the equivalent of an undergraduate major in the language in which the degree is sought. Those who lack this background, but who show strong potential and meet Graduate College admissions requirements, may be admitted to a graduate program on a provisional basis, pending removal of specified deficiencies. These deficiencies must be completed in addition to the regular program of study for the master's degree.

Spanish (PhD) LASPANPHD

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://www.asu.edu/clas/silc/spa/gradpage> | silc@asu.edu | LL 440 | 4809656281 | 0202

Official Degree Awarded: Spanish (PhD)

Program Description: The PhD degree is offered with a major in Spanish.

Program Requirements: The PhD in Spanish consists of 84 semester hours of graduate-level work, including 12 (and only 12) semester hours of dissertation (SPA 799). Thirty hours of credit for the MA in Spanish will count toward the 84 credit hours. Each candidate is expected to demonstrate a reading knowledge of two languages other than English and Spanish. The language requirements must be satisfied before the candidate is eligible to take the comprehensive examination. A written and oral comprehensive examination, designed to ascertain the candidate's knowledge and orientation in the field of study and competency to proceed with the dissertation, is required at or near the end of course work. The candidate must present an acceptable dissertation based on original investigation. The dissertation must represent a significant contribution to knowledge and demonstrate the candidate's ability to do independent, scholarly research. A final oral examination is required. This examination covers the subject matter of the dissertation and appropriate field.

Admission Requirements: All candidates for the PhD degree in Spanish must fulfill the general requirements of the Graduate College concerning admission and residence. Candidates for the doctorate in Spanish will be required to demonstrate a near-native oral proficiency in Spanish and to show that they have developed a high order of expository prose in English and Spanish by presenting a term paper or a chapter of the MA thesis. The Spanish graduate program requires a 3.75 overall grade point average (4.00 = A). Admission to the Spanish doctoral program requires the candidate to present an MA in Spanish or equivalent from an accredited institution. The committee may request letters of recommendation regarding the applicant's command of Spanish and potential for doctoral work. A personal interview may also be appropriate. It is recommended, but not required, that students applying for admission to the MA or PhD program submit scores on the Graduate Record Examination (GRE); this is especially advisable for the applicants for Spanish Graduate Fellowship Award.

Speech and Hearing Science (PhD) LAHEARPHD

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://shs.asu.edu> | shsgrad@asu.edu | Coor 2211 | 4809652374 | 0102

Official Degree Awarded: Speech and Hearing Science (PhD)

Program Description: The PhD program in Speech and Hearing Science is designed to prepare scholars for careers of basic and applied research in educational, industrial, or healthcare delivery environments. The student pursues a program with the unifying theme of human communication and its disorders. After a core curriculum, which may include aspects of neuroscience, methodology, or speech and hearing science, the student completes a program of study under the guidance of the program committee. As part of the PhD program, a programmatic research experience prepares the student for basic or applied research leading to the dissertation.

Program Requirements: This degree program requires 84 semester hours, a dissertation, and written and oral comprehensive examinations.

Admission Requirements: Applicants typically have completed a master's degree or equivalent in speech and hearing science, psychology, linguistics, or a related discipline. Applicants with a bachelor's degree, strong research interests, and a strong academic record are also considered.

Applicants must submit the following evidence for admission review:

1. application for admission to the Graduate College and official transcripts of undergraduate and graduate study,
2. Graduate Record Examination (GRE) scores, including the writing score, taken within the last three years,
3. professional résumé or curriculum vitae,
4. a statement describing academic and professional goals, specifying the focus of study desired in the PhD program, and listing the faculty member(s) with whom research interests most closely align,
5. three letters of recommendation, preferably from individuals who are qualified to comment on potential for success in a rigorous PhD program, and
6. one copy of any publications, research manuscripts, and other relevant samples of writing.

All applicants whose native language is not English must submit a score from the Test of English as a Foreign Language and the Test of Spoken English. The department expects scores to meet or exceed those required by the Graduate College.

The application form and official copies of transcripts should be submitted to the Graduate College.

Statistics (PhD) LASTPPHD

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://math.la.asu.edu> | grad@math.la.asu.edu | PSA 216 | 480/965-3951 | 1804

Official Degree Awarded: Statistics (PhD)

Program Description: Statistics has been described as the science of learning from data. Statisticians are involved with collecting data, analyzing it, interpreting it, and helping to make decisions based on it. The Ph.D. program in Statistics will train statisticians for positions locally and nationally in business, industry, government and academia. Graduates of the program will be able to not only use advanced statistical methods but also to develop new methods to meet the fast growing need for analyses of data arising in many areas.

The Statistics Ph.D. program faculty consists of the Committee on Statistics which also offers a program leading to the degree Master of Science in Statistics. The program is interdisciplinary in that it draws upon faculty research and teaching interests from various academic units so that programs of study can be tailored to reflect individual needs and goals. The committee, which sets program requirements and supervises programs of study, is composed of faculty from departments in the Ira A. Fulton School of Engineering, the College of Liberal Arts and Sciences, the W. P. Carey School of Business, and the New College of Interdisciplinary Arts and Sciences.

Program Requirements: PhD students must complete 84 semester hours of coursework which must include 15 semester hours of core coursework (STP 421, STP 427, STP 526, STP 530 or IEE 578, STP 531 or IEE 572), 45 semesters hours of elective statistics or related area courses approved by the student's supervisory committee, 12 semester hours of research (792) and 12 semester hours of dissertation (799). Students must pass one written qualifier examination, a written comprehensive examination, an oral comprehensive examination and a dissertation prospectus exam. Each student must write a dissertation and defend it orally before a five member dissertation committee. See the Department website for examination information.

Admission Requirements: Applicants must satisfy the general requirements for admission to the Graduate College. Applicants must submit the Graduate College online application. Minimum background for consideration of admission includes a bachelor's degree in statistics, mathematics or a closely related area with a minimum 3.00 Grade Point Average. Applicants should have completed the following courses (equivalents at ASU are given in parentheses): calculus (MAT 270, 271, and 272), advanced calculus (MAT 371), linear algebra (MAT 342), computer programming (CSE 100), and introductory applied statistics (QBA 221 or STP 420). Applicants who lack any of these prerequisite courses must complete the prerequisites before being considered for admission. The submission of Graduate Record Examination (GRE) test scores is strongly encouraged, but not required.

Teaching English to Speakers of Other Languages (MTESOL) LAENGMTESL

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: <http://www.asu.edu/clas/english/linguistics/index.html> | enggrad@asu.edu | LL 542B | 4809653194 | 0302

Official Degree Awarded: Teaching English as a Second Language (MTE Speake)

Program Description: The faculty in the Department of English offer a professional program leading to the Master of Teaching English to Speakers of Other Languages (MTESOL) degree. This specialized degree program provides students with the knowledge and the skills necessary to teach English as a second language.

Program Requirements: The program requires a minimum of 30 hours of approved graduate course work and must include LIN 500 Research Methods, LIN 510 Linguistics, LIN 520 Second-Language Acquisition Theories, LIN 521 Methods of Teaching English to Speakers of Other Languages, and a three-hour applied project (LIN 593) overseen by the supervisory committee. An internship is recommended if a student has no teaching experience.

Foreign Language Requirements: A foreign language is required, to be completed during the program. International students whose native language is not English may fulfill the foreign language requirement by (1) providing evidence that English is not the medium of instruction at their native-language universities and (2) satisfactory completion of the TSE.

Applied Project: A three-hour applied project (LIN 593) that is overseen by the director, chosen from the English department linguistics/TESOL faculty, is required. Two additional faculty members serve with the director to form a committee for the final oral examination on the project.

Final Examination: An oral examination on the applied project is required.

Admission Requirements: Applicants for the MTESOL degree may have undergraduate majors in fields such as, but not limited to, anthropology, applied linguistics, cognitive science, communication, comparative languages and literatures, education, English literature, history, law, linguistics, modern languages, philosophy, political science, psychology, religion, rhetoric/composition, sociology, and speech and hearing science. Students should consult with an advisor to determine whether their preparation is deficient in any area. Applicants must submit three letters of recommendation and a statement of purpose. The deadline is February 1. All applicants must meet the general requirements for admission to the Graduate College. International students must submit a TOEFL score of at least 600, or 250 computer-based.

Women and Gender Studies (Grad Certificate) LAWSTGRCT

COLLEGE OF LIBERAL ARTS AND SCIENCES, TEMPE

Contact: http://www.asu.edu/clas/womens_studies/students/index.html#PhD | serena.turley@asu.edu | West Hall 205 | 480/965-2358 | 4902

Official Degree Awarded: Gender Studies (certificate) (CERT)

Program Description: One of the largest, most vibrant Women and Gender Studies programs in the country, we offer a comprehensive program of study that empowers students to make a difference in the world. Through the study of history, culture, literature, politics, film, science, and economics, students learn to challenge conventional wisdom about gender. Knowledge leads to action, producing a new generation of leaders.

Program Requirements: This graduate certificate program requires 15 semester hours of course work.

Admission Requirements: Applicants must submit an online Graduate College application.

MANAGEMENT AND AGRIBUSINESS, MORRISON SCHOOL OF

Agribusiness (Polytechnic Campus) (MS) AGAGRIBMS

MORRISON SCHOOL OF MANAGEMENT AND AGRIBUSINESS, POLY

Contact: <http://www.poly.asu.edu/msma> | morrisonsschool@asu.edu | 7171 E Sonoran Arroyo Mall Peralta Hall Room 330X | 480/727-1312 | 0180

Official Degree Awarded: Agribusiness (MS)

Program Description: The Morrison School of Management and Agribusiness (MSMA), at the Polytechnic campus, offers the MS degree in Agribusiness. In general, this degree is designed to prepare students from a variety of backgrounds with a set of critical and analytical business skills while recognizing the unique demands of the agribusiness and resource management sectors. Graduates are well prepared for successful administrative or managerial careers with either government or private-sector organizations in either field. Students are able to select either a research-oriented program, which leads to the completion of a supervised thesis, or a program consisting of course work only (nonthesis option). The nonthesis option allows students to develop an area of specialization and apply these skills to a real-world agribusiness problem through an integrative, capstone course experience. Both the thesis and nonthesis options require the completion of a common set of core courses. These options also apply to the concentrations in (1) agribusiness management and marketing and (2) food quality assurance.

Program Requirements: All MS candidates must complete a minimum of 36 hours of approved graduate-level course work, excluding courses taken to address deficiencies. Of these 36 hours, 21 must be taken to satisfy core requirements. Thesis students fulfill the remaining 15 semester hours by taking three research credits, six thesis credits, and six hours of electives. Nonthesis students fulfill the remaining hours by taking 15 hours of electives.

It is suggested that students take a coherent sequence of courses such as those indicated below, but considerable flexibility is possible based on individual backgrounds and interests.

Thesis and Nonthesis MS in Agribusiness

Semester I

AGB 528 Advanced Agribusiness Marketing (3)
AGB 560 Advanced Agribusiness Management Systems (3)
AGB 561 Agribusiness Research Methods (3)
Total 9

Semester II

AGB 511 Advanced Agribusiness Management (3)
AGB 532 Advanced Agribusiness Finance (3)
AGB 570 Managerial Economics for Agribusiness (3)
Total 9

Semester III

Nonthesis Option
AGB 589 Agribusiness Capstone (3)
500-level AGB emphasis electives (6)
Total 9

Thesis Option

AGB 589 Agribusiness Capstone (3)

500-level AGB electives (6)
Total 9

Semester IV
Nonthesis Option
500-level AGB emphasis or other electives (9)
Total 9

Thesis Option
AGB 592 Research (3)
AGB 599 Thesis (6)
Total 9

Total hours in program 36

Admission Requirements: Applicants to the program are expected to meet the minimum requirements for admission to the Graduate College. In addition, scores from the Graduate Record Examination, Miller Analogies Test, or Graduate Management Admission Test are required. Applications must include a vita and statement of purpose; letters of recommendation are suggested. The statement of purpose must offer evidence of the applicant's basic skills in economics, accounting, statistics, and computer use, as well as some experience or knowledge in an area related to agribusiness. Applicants not meeting this last requirement may be considered for admission with deficiencies. The application deadline for admission in the fall semester is February 1.

The Morrison School of Management and Agribusiness awards assistantships to selected candidates. These support ongoing research and teaching activities. The awards are made on the basis of availability and according to the needs of the faculty and interests of the students. Scholarships are also available on a competitive basis for qualified candidates.

NEW COLLEGE OF INTERDISCIPLINARY ARTS AND SCIENCES

Communication Studies (MA) ASCOMSTMA

NEW COLLEGE OF INTERDISCIPLINARY ARTS AND SCIENCES, WEST

Contact: http://newcollege.asu.edu/programs/comm_studies_ma/ | janis.lacey@asu.edu | FAC N301G | 602/543-6266 | 3051

At the outset of the 2008-09 academic year, this degree was offered by the College of Human Services on ASU's West campus. As a result of the academic reorganization that occurred during the 2008-09 academic year, this degree program was moved to the New College of Interdisciplinary Arts and Sciences at the West campus.

Official Degree Awarded: Communication Studies (MA)

Program Description: Within the MA program in Communication Studies, the notion of advocacy is explored. This is achieved by examining advocacy across the discipline's traditional classifications and within a variety of contexts. This approach allows faculty to journey with students to discover and attend to advocacy in new and unique ways, to collectively theorize and practice advocacy. People who come to our program join the faculty in this endeavor. The advocacy occurs at the intersection of public and private lives, in the space where the two overlap and mutually inform one another, often in complex and challenging ways. It is here that we seek to uncover the ways in which symbols, messages and meaning are constructed and arranged to establish, facilitate, enhance or detract from the social status, social support and/or social identity of particular and often marginalized groups. Although the faculty recognize fully that one can advocate on one's own behalf, the faculty believe that the true work of advocacy involves attending to the other. Advocacy though is not limited simply to speaking directly on another's behalf. Rather, advocacy involves working diligently and ethically to create a space, whether it is public or private, in which the other can speak for himself or herself. The advocate uses communication theory and practice to reclaim space for and to provide voice to the other. Advocacy is a calling to the responsibility we have for others in the global age. The MA in Communication Studies seeks

to provide those interested in advocacy the opportunity to develop the intellectual and conceptual skills necessary to follow that calling.

Program Requirements: The degree consists of 36 semester hours of course work at the 500-level or above, including these courses:

W CMN 502 Theory and Practice in Communication and Persuasion (3)
or W CMN 522 Argumentation and Advocacy (3)
W CMN 505 Methods in Applied Communication Research (3)
W CMN 506 Humanistic Inquiry and Field Research in Communication (3)

Electives* (21)

Thesis or applied project (6)
or a written comprehensive exam plus six semester hours of course work (6)

Total 36

* At least 21 semester hours of electives are selected in consultation with the student's program advisor. When appropriate, students may take up to six semester hours outside the department.

Additional Requirements

COM 502 or 522, 505, and 506 must be completed with a grade of 3.00 or higher. In addition, the student must earn a cumulative GPA of 3.00 or higher in all courses numbered 500 or above that appear on the transcript and all courses that appear on the program of study.

The determination of requirements for each student's program of study is the mutual responsibility of the student and his or her advisor. Students are permitted to take comprehensive examinations only concurrent with, or subsequent to, completion of their 36th semester hour of course work. Students who choose to complete the thesis or applied project option are permitted to register for thesis or applied project semester hours only concurrent with, or subsequent to, completion of their 24th semester hour of course work.

Thesis or Applied Project

The thesis or applied project must demonstrate intellectual, academic, and/or professional growth and ability. The thesis or applied project are supervised and approved by the student's advisor and committee. An oral defense is required for the thesis or applied project.

Descriptions of current program options and requirements are available from the Department of Communication Studies office in FAB S116-1.

Admission Requirements: Admission to the program is competitive, based on an applicant's undergraduate scholarly activities, research abilities and professional experience. All applicants must submit the following:

1. a completed Graduate College application and official transcripts of all undergraduate and graduate work;
2. a 500-word personal statement indicating professional goals and addressing how the program will aid in the achievement of those goals;
3. three letters of recommendation, up to two of which may come from appropriate professional, nonacademic sources;
4. a writing sample of scholarly work or an example of professional activities (i.e., technical reports, grants, creative campaign); and
5. if the undergraduate cumulative GPA is below 3.00 for the last 60 semester hours, official Graduate Record Exam scores are required.

Students whose native language is not English must also achieve a minimum test score of 550 (paper-based test), 213 (computer-based test), or 83 (iBT score) on the Test of English as a Foreign Language (TOEFL) or a minimum overall score of 6.5 on the International English Language Testing System (IELTS).

Interdisciplinary Studies (MA) ASINTERMA

NEW COLLEGE OF INTERDISCIPLINARY ARTS AND SCIENCES, WEST

Contact: <http://newcollege.asu.edu> | mais@asu.edu | 6025436241 | 3051

Official Degree Awarded: Interdisciplinary Studies (MA)

Program Description: The Master of Arts degree in Interdisciplinary Studies is a graduate program designed to fulfill the needs of postbaccalaureate students who wish to pursue an advanced degree for:

1. job advancement or redirection,
2. personal development and intellectual growth, or
3. preparation for further graduate study.

Prospective students include those working in the public educational system, particularly secondary education teachers who intend to increase and integrate their knowledge in content areas; those employed in the corporate sector and social service system; and professionals who wish to return to the university and pursue enrichment in liberal arts areas.

The degree is composed of 30 semester hours of course work. Three required core courses develop advanced critical thinking skills and knowledge of current research tools, technologies, and methodologies in a variety of fields. Working with a faculty mentor, each student plans a set of emphasis courses to meet their educational goals. Emphasis courses may be selected from graduate course offerings from departments throughout the New College of Interdisciplinary Arts and Sciences, as well as from other colleges and schools with approval from the director. Examples include a plan to study ethics and environment, media and ethnicity, urban studies, and the arts. The program of study may include one elective course and will conclude with a capstone experience requiring a written or applied project.

A minimum of 84 semester hours is required for the PhD degree; 12 (and only 12) of these hours must be 799 Dissertation. Of the 84 semester hours, at least 30 hours (which may include research credit) of the approved PhD program and 12 dissertation hours must be completed after admission to the student's PhD program. Students may not apply credit hours earned for a doctoral degree previously awarded at ASU or another institution toward their current ASU doctoral degree. However, at the individual academic units discretion, students may apply up to 30 semester hours from a previously awarded master's degree toward their doctoral program of study.

Students work with their study committees to determine an appropriate program of study. Common areas of functional specialization among doctoral studies include financial and managerial accounting, auditing, information systems, and taxation. With these functional areas, doctoral studies may emphasize experimental or archival research methods. All accountancy doctoral students are required to take a three-semester sequence of accountancy doctoral course work. A maximum of six approved graduate semester hours can be transferred to satisfy program requirements.

Program Requirements: This 30-semester-hour degree program requires a Capstone course and the following courses:

Required courses

1. MAS 501 Models of Inquiry for Contemporary Issues (3)
2. MAS 502 Perspectives in Interdisciplinary Studies (3)
3. MAS 505 20th-Century Thought: Concepts of Change, Culture, and Mind (3)
4. MAS 585 Capstone Course (3)
5. Emphasis area (15-18)
6. Elective (0-3)

Minimum total: 30

Emphasis Area

Working with a faculty mentor, students select 15 to 18 semester hours of graduate-level course work that reflects a particular area of specialty or interest. Students may elect to take the degree in conjunction with the graduate Certificate in Gerontology.

1. *Admission Requirements:* Admission to the master's program is open to individuals who meet the following criteria:
 1. holders of baccalaureate degrees from institutions with regional accreditation,
 2. demonstrated promise of success through previous schooling and experience,
 3. have academic and career goals that are compatible with the educational objectives of the program, and
 4. have taken the Graduate Record Examination (GRE).

The GRE requirement may be waived if the applicant has attended a graduate or professional school that required a standardized admission test.

Social Justice and Human Rights (MA) ASJHRMA

NEW COLLEGE OF INTERDISCIPLINARY ARTS AND SCIENCES, WEST

Contact: http://newcollege.asu.edu/programs/social_justice/ | William.simmons@asu.edu | FAB N241 | 602/543-6241 | 3051

Official Degree Awarded: Social Justice and Human Rights (MA)

Program Description:

The MA in Social Justice and Human Rights (MASJHR) offers justice and human rights approaches to specific issues such as health, education, work, migration, child and family issues, and the environment. These issues are approached in a context influenced by the intersection of gender, race, ethnicity, sexuality, location, and/or nationality. The program provides a theoretically and methodologically rigorous program that will offer opportunities for skill specialization in research and/or in the management of advocacy-oriented organizations in the nongovernmental sector, both domestically and transnationally. Students choose one of two tracks: Social Justice and Human Rights Research or NGO Management.

The program is structured so that current practitioners in NGOs and other nontraditional students are able to complete their degree requirements by spending two semesters on campus and completing the remainder of their degree requirements back at their place of work in whatever location or country that may be. The remaining course work can be completed via a summer internship, and a semester off campus to complete the capstone experience in the field. Many students will remain on campus for their entire program of study.

Program Requirements: The 33-semester-hour program includes:

1. Core requirements (21 hours);
2. Career-Oriented Tracks (3 hours); and
3. Electives (6 hours).

Core Requirements (21 Hours)

1. JHR 500 Research Design (3 Hours)
2. JHR 501 Proseminar in Social Justice and Human Rights (3 Hours)
3. JHR 506 Grant Writing and Development for Social Justice and Human Rights (3 Hours)
4. JHR 510 Problem-Based Seminar in Social Justice and Human Rights (3 Hours)
5. JHR 511 Community-Embedded Seminar in Social Justice and Human Rights (3 Hours)
6. JHR 584 Internship (3 Hours)
7. JHR 599 Thesis or JHR 593 Applied Project (3 Hours)

Career Oriented Tracks (Six Hours)

In consultation with the program director, each student will either select either two management courses or two research courses.

Elective Courses (Six Hours)

In consultation with the program director, each student is required to complete two additional courses that fit their program.

Admission Requirements: Admission is granted on a competitive basis. To be admitted to the MASJHR program, candidates must have a four-year baccalaureate degree from a regionally accredited institution and must submit the following:

1. a completed graduate application;
2. official transcripts of all undergraduate and graduate course work;
3. official GRE scores;
4. a personal statement;
5. two letters of recommendation; and a
6. resume

Completion of an undergraduate research methods or statistics course is recommended but not required.

The GRE requirement may be waived if the applicant has attended a graduate or professional school that required a standardized admission test.

Applications should be submitted by November 1 for admission to the spring semester and June 1 for admission to the fall semester.

NURSING AND HEALTHCARE INNOVATION, COLLEGE OF

Adult Nurse Practitioner (DNP) NUANPADDNP

COLLEGE OF NURSING AND HEALTHCARE INNOVATION, DTPHX

Contact: <http://nursing.asu.edu/index.htm> | Pamela.kulikowski@asu.edu | NHI 358B | 602/496-0857 | 3020

Official Degree Awarded: Advanced Nursing Practice (Adult Nurse Practitioner) (DNP)

Program Description: The faculty in the College of Nursing and Healthcare Innovation offer a graduate program leading to the DNP degree in Nursing with a concentration in advanced practice nursing of adults. Designed for nurses seeking to become an advanced practice nurse as an adult nurse practitioner. Graduate courses in application of theory to advanced practice, application of evidence to advanced practice, advanced pathophysiology, and advanced health assessment, advanced practice nursing role provide a foundation for this specialty. Graduates of the DNP program of the adult health concentration are prepared to provide primary care to adults who are in various states of health in a variety of settings. Health promotion and illness prevention are among the essential threads integrated throughout the program of study. Approximately one third of the curriculum in each course is delivered in a traditional classroom setting, and two thirds is completed in a web-based format. Several different modalities are used to enhance the student's learning, including multimedia presentations, asynchronous discussion boards and live chats. Travel to campus is required only 2 - 3 times per semester for 3 - 4 day sessions (depending on the courses being taught) where student encounters concentrated lab and interactive case-based seminar experiences. Focused clinical experiences are arranged with preceptors and administrators in the student's local healthcare setting. Rural health and experiences with disadvantaged and multi-cultural populations are encouraged. (this text taken from the online site)

Program Requirements: The Association of Nursing for Critical Care (ANCC) has recommended a minimum of 1000 postbaccalaureate hours for all students completing a DNP. The College of Nursing and Healthcare Innovation's program allows post-baccalaureate entry students to complete 630 hours of supervised clinical in their chosen specialty before receiving their Master of Science degree. This will allow students to then meet the requirements for certification and licensure in their specialty. The additional 450 hours are completed after certification and licensure while practicing as an advance practice nurse and completing the final DNP courses. The culminating document needed for completion of the Doctor of Nursing Practice is an Evidence-Base Mentoring Applied Project. Each student will have a primary mentor and at least one committee member working with them on the project. Clinical practice residency hours will be used to carry out the project in a practice setting (work settings may be included, but specific objectives will be developed that may be different from the student's job). Each project will be developed individually with each student. Post-master entry applicants should have some ideas for a project already developed before entry.

Admission Requirements: Admission to graduate status in the College of Nursing and Healthcare Innovation is based upon meeting the following requirements:

1. an undergraduate junior or senior GPA equal to 3.00, or a cumulative GPA equal to 3.00 (4.00=A) or higher for any baccalaureate or graduate degree attained;
2. a baccalaureate degree in nursing (or another field) accredited by a nationally recognized and regionally accredited agency;
3. a current unencumbered license in the state where clinical practice will be concluded and/or an unencumbered Arizona license to practice as a registered nurse to enroll in nursing practicum courses;
4. satisfactory completion of only the analytical writing section of the Graduate Record Examination;
5. three professional recommendations from individuals knowledgeable about the applicant's academic and nursing leadership potential and one self-evaluation;
6. an interview with a representative of the specialty area;
7. eligibility for admission to the Graduate College;
8. completion of the TOEFL with a score of 550 or higher and of all requirements for the Commission on Foreign Graduate Nursing Schools (CFGNS) if considered an international student; and
9. completion of a baccalaureate-level health assessment course within the preceding three years (as may be required for some nurse practitioner concentrations).

Adult Psychiatric Mental Health Nurse Practitioner (DNP) NUANPPMDNP

COLLEGE OF NURSING AND HEALTHCARE INNOVATION, DTPHX

Contact: <http://nursing.asu.edu/index.htm> | Pamela.kulikowski@asu.edu | NHI 358B | 602/496-0857 | 3020

Official Degree Awarded: Advanced Nursing Practice (Adult Psychiatric Mental Health Nurse Practitioner) (DNP)

Program Description: Designed for nurses seeking to become an advanced practice nurse as a psychiatric mental health nurse practitioner. Graduate courses in application of theory to advanced practice, application of evidence to advanced practice, advanced pathophysiology, and advanced health assessment, advanced practice nursing role provide a foundation for this specialty. Graduate education in psychiatric/mental health nursing gives opportunities for greater autonomy in practice, diverse employment opportunities, research and teaching capabilities, and advanced assessment and intervention skills. Approximately one third of the curriculum in each course is delivered in a traditional classroom setting, and two thirds is completed in a web-based format. Several different modalities are used to enhance the student's learning, including multimedia presentations, asynchronous discussion boards and live chats.

Program Requirements: The Association of Nursing for Critical Care (ANCC) has recommended a minimum of 1000 postbaccalaureate hours for all students completing a DNP. The College of Nursing and Healthcare Innovation's program allows post-baccalaureate entry students to complete 630 hours of supervised clinical in their chosen specialty before receiving their Master of Science degree. This will allow students to then meet the requirements for certification and licensure in their specialty. The additional 450 hours are completed after certification and licensure while practicing as an advance practice nurse and completing the final DNP courses. The culminating document needed for completion of the Doctor of Nursing Practice is an Evidence-Base Mentoring Applied Project. Each student will have a primary mentor and at least one committee member working with them on the project. Clinical practice residency hours will be used to carry out the project in a practice setting (work settings may be included, but specif

Admission Requirements: Admission to graduate status in the College of Nursing and Healthcare Innovation is based upon meeting the following requirements:

1. an undergraduate junior or senior GPA equal to 3.00, or a cumulative GPA equal to 3.00 (4.00=A) or higher for any baccalaureate or graduate degree attained;
2. a baccalaureate degree in nursing (or another field) accredited by a nationally recognized and regionally accredited agency;
3. a current unencumbered license in the state where clinical practice will be concluded and/or an unencumbered Arizona license to practice as a registered nurse to enroll in nursing practicum courses;
4. satisfactory completion of only the analytical writing section of the Graduate Record Examination;
5. three professional recommendations from individuals knowledgeable about the applicant's academic and nursing leadership potential and one self-evaluation;
6. an interview with a representative of the specialty area;
7. eligibility for admission to the Graduate College;
8. completion of the TOEFL with a score of 550 or higher and of all requirements for the Commission on Foreign Graduate Nursing Schools (CFGNS) if considered an international student; and
9. completion of a baccalaureate-level health assessment course within the preceding three years (as may be required for some nurse practitioner concentrations).

Advanced Nursing Practice - DNP NUANPDNP

COLLEGE OF NURSING AND HEALTHCARE INNOVATION, DTPHX

Contact: <http://nursing.asu.edu> | NHI 358B | 602/496-0857 | 3020

Official Degree Awarded: Advanced Nursing Practice (DNP)

Program Description: The Doctor of Nursing Practice (DNP) degree program is focused on improving healthcare through facilitating a culture of best practice, and providing the additional skills necessary to develop the advanced practice nursing leader for the future. For information about the specific concentrations offered under this degree, see <http://nursing.asu.edu/programs/graduate>.

Program Requirements: The DNP requires 84 semester hours of course work. The American Nurses Credentialing Center (ANCC) has recommended a minimum of 1000 postbaccalaureate hours for all students completing a DNP. The College of Nursing and Healthcare Innovation's program allows postbaccalaureate entry students to complete 630 hours of supervised clinicals in their chosen specialty before receiving their master of science degree. This will allow students to then meet the requirements for certification and licensure in their specialty. The additional 450 hours are completed after certification and licensure while practicing as an advance practice nurse and completing the final DNP courses. The culminating document needed for completion of the Doctor of Nursing Practice is an Evidence-Base Mentoring Applied Project. Each student will have a primary mentor and at least one committee member working with them on the project. Clinical practice residency hours will be used to carry out the project in a practice setting (work settings may be included, but specific objectives will be developed that may be different from the student's job). Each project will be developed individually with each student. Post-master entry applicants should have some ideas for a project already developed before entry.

Admission Requirements: Admission to graduate status in the College of Nursing and Healthcare Innovation is based upon meeting the following requirements:

1. an undergraduate junior or senior GPA equal to 3.00, or a cumulative GPA equal to 3.00 (4.00=A) or higher for any baccalaureate or graduate degree attained;
2. completion of a baccalaureate degree in nursing accredited by a nationally recognized and regionally accredited agency;
3. a current unencumbered license in the state where clinical practice will be concluded and/or an unencumbered Arizona license to practice as a registered nurse to enroll in nursing practicum courses;
4. satisfactory completion of only the analytical writing section of the Graduate Record Examination;
5. three professional recommendations from individuals knowledgeable about the applicant's academic and nursing leadership potential and one self-evaluation;
6. an interview with a representative of the specialty area;

7. eligibility for admission to the Graduate College; and
8. completion of the TOEFL with a score of 550 or higher and of all requirements for the Commission on Foreign Graduate Nursing Schools (CFGNS), if considered an international student.

While all interested applicants are encouraged to apply, applicants who reside and work, or plan to reside or work, in rural or Medically underserved areas are especially encouraged to apply for admission. Applications to the program are due as follows: Postbaccalaureate applicants, January 1; post-master's are due October 1.

Advanced Nursing Practice: Geriatric Nurse Practitioner - DNP NUGNPDNP

COLLEGE OF NURSING AND HEALTHCARE INNOVATION, DTPHX

Contact: <http://nursing.asu.edu> | Pamela.Kulikowski@asu.edu | CONHI 458 | 602/496-0907 | 3020

Official Degree Awarded: Advanced Nursing Practice (Geriatric Nurse Practitioner)

Program Description: The Doctor of Nursing Practice (DNP) at ASU is focused on improving healthcare through facilitating a culture of best practice, and providing the additional skills necessary to develop the advance practice nursing leader for the future. Graduates of this program will be able to facilitate the application and integration of research into clinical practice using innovative approaches across multiple settings to improve healthcare, patient outcomes, and healthcare systems.

Program Requirements: The Association of Nursing for Critical Care (ANCC) has recommended a minimum of 1000 postbaccalaureate hours for all students completing a DNP. The College of Nursing and Healthcare Innovation's program allows postbaccalaureate entry students to complete 630 hours of supervised clinical in their chosen specialty before receiving their Master of Science degree. This will allow students to then meet the requirements for certification and licensure in their specialty. The additional 540 hours are completed after certification and licensure while practicing as an advanced practice nurse and completing the final DNP courses. The culminating document needed for completion of the Doctor of Nursing Practice is an Evidence-Based Mentoring Applied Project. Each student will have a primary mentor and at least one committee member working with them on the project. Clinical practice residency hours will be used to carry out the project in a practice setting (work settings may be included, but specific objectives will be developed, individually with each student, that may be different from the student's job). Each project will be developed individually with each student. Post-master entry applicants should have some ideas for a project already developed before entry.

Admission Requirements: Admission to graduate status in the College of Nursing and Healthcare Innovation is based upon meeting the following requirements:

1. an undergraduate junior or senior GPA equal to 3.00, or a cumulative GPA equal to 3.00 (4.00=A) or higher for any baccalaureate or graduate degree attained;
2. a baccalaureate degree in nursing (or another field) accredited by a nationally recognized and regionally accredited agency;
3. a current unencumbered license in the state where clinical practice will be conducted and/or an unencumbered Arizona license to practice as a registered nurse to enroll in nursing practicum courses;
4. satisfactory completion of only the Analytical Writing section of the Graduate Record Examination;
5. three professional recommendations from individuals knowledgeable about the applicant's academic and nursing leadership potential and one self-evaluation;
6. an interview with a representative of the specialty area;
7. eligibility for admission to the Graduate College;
8. completion of the TOEFL with a score of 550 or higher and all the requirements for the Commission on Foreign Graduate Nursing Schools (CFGNS) if considered an international student; and
9. completion of a baccalaureate-level health assessment course within the preceding three years (as may be required for some nurse practitioner concentrations).

Assessment of Integrative Health Modalities (Grad Certificate) PPSWGGRCH

COLLEGE OF NURSING AND HEALTHCARE INNOVATION, DTPHX

Contact: <http://ssw.asu.edu/certificates/index.html> | social.work@asu.edu | UCENT 800 | 602/496-0800 | 3920

Official Degree Awarded: Assessment of Integrative Health Modalities (certificate) (CERT)

Program Description: The School of Social Work Graduate Certificate Assessment of Integrative Health Modalities will focus on integrative health, the current term used by practitioners in the field who feel strongly that treating the “whole person—body, mind, and spirit” is the route to the highest quality of health.

The purpose of the certificate is to enhance students' knowledge of integrative health practices. It will provide students with extensive knowledge of integrative health practices through directed readings in evidenced-based journal articles, expert lectures from community health professionals and ASU faculty drawn from across disciplines, field observation, an individual research paper, and a mindfulness in-class practice and class interaction that can enhance the quality and effectiveness of treating clients holistically.

Program Requirements: The certificate will require the completion of 15 semester hours, distributed among three core courses and two interdisciplinary electives. Each ASU campus, particularly the Polytechnic campus, offers a variety of courses that can meet the elective requirement. The core courses include: Quality of Life, Ancient Healing Traditions and Treating the Whole Person.

Admission Requirements: Students interested in applying to this program must submit the online Graduate College application.

This certificate is open to professionals in social work, nursing or related health and human service professions from the community, as well as students currently admitted to a health and human services degree program at the master's or doctoral level. A minimum of a bachelor's degree in health or human services or related field is required for entry into the certificate program.

Child and Adolescent Mental Health Intervention Specialist (Grad Certificate) NUCAMHICE

COLLEGE OF NURSING AND HEALTHCARE INNOVATION, DTPHX

Contact: <http://nursing.asu.edu> | susan.callahan@asu.edu | NHI 472 | 602/496-0869 | 3020

Official Degree Awarded: Child and Adolescent Mental Health Intervention (certificate) (CERT)

Program Description: The College of Nursing and Healthcare Innovation at ASU offers the nation's first Child and Adolescent Mental Health Intervention Specialist graduate certificate program. This innovative program is designed specifically for pediatric and family nurse practitioners, as well as physicians and other interdisciplinary healthcare providers who desire to enhance their knowledge and skills in the assessment and management of common mental and behavioral health problems in children and adolescents.

Program Requirements: This 15-semester-hour graduate certificate curriculum is predominantly an online distance education program with two, two-day visits to the ASU Downtown Phoenix campus for orientation and intensive learning. Nine semester hours of this program can be transferred into the college's online post-master's Child/Family Psychiatric Mental Health Nurse Practitioner program for those students desiring more depth in assessing and treating child and adolescent mental health problems as a child/family psychiatric mental health nurse practitioner.

Admission Requirements: Applicants must either have a Master of Science in Nursing degree and work as a pediatric/family nurse practitioner or pediatric clinical nurse specialist, or be a health-related professional (e.g., physician, social worker, physician assistant) with experience in child and adolescent behavioral and mental health. Current healthcare licensure in the applicant's state of residence is needed for admission to the certificate program.

Child/Family Psychiatric Mental Health Nurse Practitioner - DNP NUANPCFDNP

COLLEGE OF NURSING AND HEALTHCARE INNOVATION, DTPHX

Contact: <http://nursing.asu.edu/> | susan.callahan@asu.edu | NHI 158A | 602/496-0869 | 3020

Official Degree Awarded: Advanced Nursing Practice (Child/Family Psychiatric Mental Health Nurse Practitioner) (DNP)

Program Description: The Child/Family Psychiatric Mental Health Nurse Practitioner program is designed for nurses seeking to become an advanced practice nurse as a Psychiatric Mental Health Nurse Practitioner. Graduate courses in application of theory to advanced practice, application of evidence to advanced practice, advanced pathophysiology, advanced health assessment, and advanced practice nursing provide a foundation for this specialty.

Graduate education in psychiatric mental health nursing gives opportunities for greater autonomy in practice, diverse employment opportunities, research and teaching capabilities, and advanced assessment and intervention skills. Approximately one-third of the curriculum in each course is delivered in a traditional classroom setting, and two-thirds is completed in a web-based format. Several different modalities are used to enhance the student's learning, including multimedia presentations, asynchronous discussion boards, and live chats.

Focused clinical experiences are arranged with preceptors and administrators in the student's local healthcare setting. Rural health and experiences with disadvantaged and multi-cultural populations are encouraged.

Program Requirements: The Association of Nursing for Critical Care (ANCC) has recommended a minimum of 1000 postbaccalaureate hours for all students completing a DNP. The College of Nursing and Healthcare Innovation's program allows postbaccalaureate entry students to complete 630 hours of supervised clinical in their chosen specialty before receiving their Master of Science degree. This will allow students to then meet the requirements for certification and licensure in their specialty. The additional 540 hours are completed after certification and licensure while practicing as an advanced practice nurse and completing the final DNP courses. The culminating document needed for completion of the Doctor of Nursing Practice is an Evidence-Based Mentoring Applied Project. Each student will have a primary mentor and at least one committee member working with them on the project. Clinical practice residency hours will be used to carry out the project in a practice setting (work settings may be included, but specific objectives will be developed, individually with each student, that may be different from the student's job). Each project will be developed individually with each student. Post-master entry applicants should have some ideas for a project already developed before entry.

Admission Requirements: Admission to graduate status in the College of Nursing and Healthcare Innovation is based upon meeting the following requirements:

1. an undergraduate junior or senior GPA equal to 3.00, or a cumulative GPA equal to 3.00 (4.00=A) or higher for any baccalaureate or graduate degree attained;
2. a baccalaureate degree in nursing (or another field) accredited by a nationally recognized and regionally accredited agency;
3. a current unencumbered license in the state where clinical practice will be concluded and/or an unencumbered Arizona license to practice as a registered nurse to enroll in nursing practicum courses;
4. satisfactory completion of only the analytical writing section of the Graduate Record Examination;
5. three professional recommendations from individuals knowledgeable about the applicant's academic and nursing leadership potential and one self-evaluation;
6. an interview with a representative of the specialty area;
7. eligibility for admission to the Graduate College;
8. completion of the TOEFL with a score of 550 or higher and of all requirements for the Commission on Foreign Graduate Nursing Schools (CFGNS) if considered an international student; and
9. completion of a baccalaureate-level health assessment course within the preceding three years (as may be required for some nurse practitioner concentrations).

Clinical Research Management (Grad Certificate) NUHCRGCC

COLLEGE OF NURSING AND HEALTHCARE INNOVATION, DTPHX

Contact: <http://nursing.asu.edu/> | fran.rees@asu.edu | NHI 411 | 602/496-0935 | 3020

Official Degree Awarded: Clinical Research Management (certificate) (CERT)

Program Description: The Graduate Certificate in Clinical Research Management (CRM) attracts nurses and health care professionals throughout the nation and internationally for advanced education as clinical research professionals in the diversified and complex clinical research industry. The roles of clinical research managers (CRM) are rapidly growing. The career field is particularly suited for nurses, physicians and other health care professionals. Health care professionals from fields outside of nursing may complete the curriculum to obtain a certificate in CRM, with completion of stated prerequisites. The CRM specialty

takes a multidisciplinary approach in providing an education strong in clinical research, business and financial practices, ethical and regulatory aspects of research, and overall management of clinical drug, biological and Medical device trials. The program is designed to be flexible and conducive to the adult learner.

Program Requirements: The 15-semester-hour CRM graduate certificate is offered online with an initial three- or four-day immersion/practicum program. A three semester-hour capstone clinical research project is required and part-time study is available.

Admission Requirements: Must meet Graduate College admission requirements. For more information, call the program office at 602/496-0935 or visit the Web site at nursing.asu.edu/research/chict/crm/index.

Community Health Nursing (MS) NUCHNDTMS

COLLEGE OF NURSING AND HEALTHCARE INNOVATION, DTPHX

Contact: <http://nursing.asu.edu/> | renee.mcleod@asu.edu | ASU Downtown NHI458 | 602/496-0857 | 3020

Official Degree Awarded: Nursing (Community Health Advanced Practice Nursing) (MS)

Program Description: Community Health Nursing (MS)

Community and Public Health Practice (Grad Certificate) NUHPGRCH

COLLEGE OF NURSING AND HEALTHCARE INNOVATION, DTPHX

Contact: <http://www.nursing.asu.edu/> | Tatiana.Thompson@asu.edu | NHI 461 | 602/496-0735 | 3020

Official Degree Awarded: Community and Public Health Practice (certificate) (CERT)

Program Description: The Graduate Certificate in Community and Public Health Practice is directed toward students with baccalaureate degrees who currently work in community or public health or other relevant fields and who want to solve public health problems and apply a breadth of knowledge and expertise in the community.

Program Requirements: The curriculum consists of 16 to 18 semester hours of graduate study that may be applied toward the Master of Science degree. Part-time study is available.

Admission Requirements: Admission to the certificate program requires a bachelor's degree (in nursing or a related field) and an interest in increasing knowledge in community/public health. Current students in master's or doctorate programs at ASU are also qualified. Applicants must meet admission criteria of the Graduate College for graduate certificates to be eligible to apply to the program.

Evidence-Based Practice Nursing Science (Grad Certificate) NUEVIDNSCE

COLLEGE OF NURSING AND HEALTHCARE INNOVATION, DTPHX

Contact: <http://nursing.asu.edu/> | pamela.kulikowski@asu.edu | NHI 158A | 602/496-0857 | 3020

Official Degree Awarded: Evidence-Based Practice in Nursing and Healthcare (certificate) (CERT)

Program Description: The Graduate Certificate in Evidence-Based Practice in Nursing and Healthcare is an online graduate certificate program designed to prepare nurse clinicians, educators and other healthcare professionals as experts in evidence-based practice (EBP).

Program Requirements: This 17-semester-hour, 12-month graduate certificate program is user-friendly and constructed in a distance-learning, online format to facilitate involvement of participants throughout the U.S. and the world. Admission is granted once a year and classes begin in January. Two on-site visits to ASU are required. The initial visit is a three-day orientation and the final visit is a three-day immersion residency fellowship that culminates the program. In addition, there is an optional four-day "boot camp" at the beginning of course work.

Admission Requirements: Admission requirements include completion of an accredited master's degree program with a 3.00 cumulative GPA; or current enrollment in an accredited master's program with a cumulative 3.00 GPA.

Applicants must:

1. complete a CAEP admission form;
2. submit a letter of recommendation from an academic advisor or supervisor supporting the applicant's enrollment. Official transcripts from a master's program are required as well;
3. submit a curriculum vitae/resume;
4. meet Graduate College admission requirements.

Family Nurse Practitioner - DNP NUANPFNDNP

COLLEGE OF NURSING AND HEALTHCARE INNOVATION, DTPHX

Contact: <http://nursing.asu.edu/index.htm> | Pamela.kulikowski@asu.edu | NHI 358B | 602/496-0857 | 3020

Official Degree Awarded: Advanced Nursing Practice (Family Nurse Practitioner) (DNP)

Program Description: Designed for nurses seeking to become an advanced practice nurse as a family health nurse practitioner. Graduate courses in application of theory to advanced practice, application of evidence to advanced practice, advanced pathophysiology, and advanced health assessment, advanced practice nursing role provide a foundation for this specialty. The focus in courses is on development of expertise in providing primary care to individuals of all ages within traditional, non-traditional, and culturally diverse families. Theory and practicum courses are designed to prepare the student for certification in advanced practice nursing as a family nurse practitioner. Approximately one third of the curriculum in each course is delivered in a traditional classroom setting, and two thirds is completed in a web-based format. Several different modalities are used to enhance the student's learning, including multimedia presentations, asynchronous discussion boards and live chats. Travel to campus is required only two or three times per semester for three-four day sessions (depending on the courses being taught) where student encounters concentrated lab and interactive case-based seminar experiences. Focused clinical experiences are arranged with preceptors and administrators in the student's local healthcare setting. Rural health and experiences with disadvantaged and multi-cultural populations are encouraged. Graduate students will learn: advanced health assessment skills, including physical examination, diagnostic studies and lab tests; physiology/pathophysiology, and the diagnosis and management of common acute and chronic health problems of individuals across the lifespan.

To be eligible for FNP certification, students must complete approximately 600 hours of clinical experience. At the completion of the program, students are eligible to take the American Nurses Credentialing Center or the American Academy of Nurse Practitioners exam for national certification. Focused clinical experiences are arranged with preceptors and administrators in the student's local healthcare setting. Rural health and experiences with disadvantaged and multi-cultural populations are encouraged. Family nurse practitioners are professionals who provide comprehensive healthcare to individuals across the lifespan in primary care health service settings. Graduates of this program will provide the diagnosis and management of common acute and chronic health problems of individuals from infancy through adulthood. Emphasis is placed on an evidence-based family centered approach to health promotion and illness intervention.

Program Requirements: The Association of Nursing for Critical Care (ANCC) has recommended a minimum of 1000 postbaccalaureate hours for all students completing a DNP. The College of Nursing and Healthcare Innovation's program allows post-baccalaureate entry students to complete 630 hours of supervised clinical in their chosen specialty before receiving their Master of Science degree. This will allow students to then meet the requirements for certification and licensure in their specialty. The additional 450 hours are completed after certification and licensure while practicing as an advance practice nurse and completing the final DNP courses. The culminating document needed for completion of the Doctor of Nursing Practice is an Evidence-Base Mentoring Applied Project. Each student will have a primary mentor and at least one committee member working with them on the project. Clinical practice residency hours will be used to carry out the project in a practice setting (work settings may be included, but specif

Admission Requirements: Admission to graduate status in the College of Nursing and Healthcare Innovation is based upon meeting the following requirements:

1. an undergraduate junior or senior GPA equal to 3.00, or a cumulative GPA equal to 3.00 (4.00=A) or higher for any baccalaureate or graduate degree attained;
2. a baccalaureate degree in nursing (or another field) accredited by a nationally recognized and regionally accredited agency;

3. a current unencumbered license in the state where clinical practice will be concluded and/or an unencumbered Arizona license to practice as a registered nurse to enroll in nursing practicum courses;
4. satisfactory completion of only the analytical writing section of the Graduate Record Examination;
5. three professional recommendations from individuals knowledgeable about the applicant's academic and nursing leadership potential and one self-evaluation;
6. an interview with a representative of the specialty area;
7. eligibility for admission to the Graduate College;
8. completion of the TOEFL with a score of 550 or higher and of all requirements for the Commission on Foreign Graduate Nursing Schools (CFGNS) if considered an international student; and
9. completion of a baccalaureate-level health assessment course within the preceding three years (as may be required for some nurse practitioner concentrations).

Healthcare Innovation (MHI) NUHCINNMHI

COLLEGE OF NURSING AND HEALTHCARE INNOVATION, DTPHX

Contact: <http://nursing.asu.edu/> | renee.mcleod@asu.edu | CONHI | 602/496-0907 | 3020

Official Degree Awarded: Healthcare Innovation (MHI)

Program Description: The Master of Healthcare Innovation (MHI) is a 33-credit (one-year) master's degree program using a hybrid online format open to nursing and non-nursing students working and living at a distance. This program is an initiative led by the ASU College of Nursing and Healthcare Innovation in collaboration with the College of Design and the Hugh Downs School of Human Communications.

Program Requirements: The MHI requires 33 credit hours. The curriculum also requires the completion of an applied project as the culminating experience. The curriculum uses a "hybrid online format" to distinguish it from a traditional distance learning program. This unique curriculum and hybrid online format allows students to have face-to-face contact with each other and healthcare leaders during four to five day immersion sessions. These sessions entail eight-hour days at the beginning of each semester and two days at mid-semester. The rest of the course work is held online, using both synchronous (i.e., everyone is online "in class" at the same time) and asynchronous formats-

utilizing voiced-over lectures or discussion boards, such as the Blackboard course management system.

Admission Requirements: Admission to graduate status in the College of Nursing and Healthcare Innovation is based upon meeting the following requirements:

1. an undergraduate junior or senior GPA equal to 3.00, or a cumulative GPA equal to 3.00 (4.00=A) or higher for any baccalaureate or graduate degree attained,
2. a baccalaureate degree in nursing (or another field) accredited by a nationally recognized and regionally accredited agency,
3. satisfactory completion of only the analytical writing section of the Graduate Record Examination,
4. three professional recommendations from individuals knowledgeable about the applicant's academic and nursing leadership potential and one self-evaluation,
5. an interview with a representative of the specialty area,
6. eligibility for admission to the Graduate College,
7. completion of the TOEFL with a score of 550 or higher and of all requirements for the Commission on Foreign Graduate Nursing Schools (CFGNS) if considered an international student, and
8. completion of a baccalaureate-level health assessment course within the preceding three years.

International Health For Healthcare Professionals (Grad Certificate)

NUHCRGRCI

COLLEGE OF NURSING AND HEALTHCARE INNOVATION, DTPHX

Contact: <http://nursing.asu.edu/> | renee.mcleod@asu.edu | NHI 456 | 602/496-0791 | 3020

Official Degree Awarded: International Health for Healthcare Professionals (certificate) (CERT)

Program Description: The Graduate Certificate in International Health for Healthcare Professionals targets and prepares primary care providers and other healthcare professionals in Arizona and throughout the nation who provide care for an increasingly diverse clientele. The program provides an overview of transborder and international health issues that incorporate language and cultural health immersion experiences.

Program Requirements: The 16 semester-hour International Health for Healthcare Professionals graduate certificate is offered as a hybrid online distance program with scheduled immersion sessions.

Admission Requirements: Applicants must meet the admissions criteria of the Graduate College for graduate certificates to be eligible to apply to the program. For more information, call the program office at 602/496-0791.

Neonatal Nurse Practitioner - DNP NUANPNDNP

COLLEGE OF NURSING AND HEALTHCARE INNOVATION, DTPHX

Contact: <http://nursing.asu.edu/index.htm> | Pamela.kulikowski@asu.edu | NHI 358B | 602/496-0857 | 3020

Official Degree Awarded: Advanced Nursing Practice (Neonatal Nurse Practitioner) (DNP)

Program Description: Designed for nurses seeking to become an advanced practice nurse as a neonatal nurse practitioner. Graduate courses in application of theory to advanced practice, application of evidence to advanced practice, advanced pathophysiology, advanced health assessment provide a foundation for this specialty. The program features individually designed plans of study for nurses seeking to become neonatal nurse practitioners. Advanced neonatal nursing theory and clinical courses focus on the development of a framework for developmentally supportive, family centered, culturally appropriate, advanced nursing practice with infants, children and families. We continue to offer this program in a hybrid-online format! Approximately one third of the curriculum in each course is delivered in a traditional classroom setting, and two thirds is completed in a web-based format. Several different modalities are used to enhance the student's learning, including multimedia presentations, asynchronous discussion boards and live chats. Focused clinical experiences are arranged with preceptors and administrators in the student's local healthcare setting. Rural health and experiences with disadvantaged and multi-cultural populations are encouraged. The neonatal nurse practitioner role includes emphasis on genetics, embryology, and the extra skills needed to practice in a critical care environment. Courses focus on the needs of the high risk infant and family. Developmental assessment of the infant and family and smooth transition of the high risk infant to the primary care setting are emphasized.

Program Requirements: The Association of Nursing for Critical Care (ANCC) has recommended a minimum of 1000 postbaccalaureate hours for all students completing a DNP. The College of Nursing and Healthcare Innovation's program allows post-baccalaureate entry students to complete 630 hours of supervised clinical in their chosen specialty before receiving their Master of Science degree. This will allow students to then meet the requirements for certification and licensure in their specialty. The additional 450 hours are completed after certification and licensure while practicing as an advance practice nurse and completing the final DNP courses. The culminating document needed for completion of the Doctor of Nursing Practice is an Evidence-Base Mentoring Applied Project. Each student will have a primary mentor and at least one committee member working with them on the project. Clinical practice residency hours will be used to carry out the project in a practice setting (work settings may be included, but specif

Admission Requirements: Admission to graduate status in the College of Nursing and Healthcare Innovation is based upon meeting the following requirements:

1. an undergraduate junior or senior GPA equal to 3.00, or a cumulative GPA equal to 3.00 (4.00=A) or higher for any baccalaureate or graduate degree attained;
2. a baccalaureate degree in nursing (or another field) accredited by a nationally recognized and regionally accredited agency;
3. a current unencumbered license in the state where clinical practice will be concluded and/or an unencumbered Arizona license to practice as a registered nurse to enroll in nursing practicum courses;
4. satisfactory completion of only the analytical writing section of the Graduate Record Examination;
5. three professional recommendations from individuals knowledgeable about the applicant's academic and nursing leadership potential and one self-evaluation;
6. an interview with a representative of the specialty area;

7. eligibility for admission to the Graduate College;
8. completion of the TOEFL with a score of 550 or higher and of all requirements for the Commission on Foreign Graduate Nursing Schools (CFGNS) if considered an international student; and
9. completion of a baccalaureate-level health assessment course within the preceding three years (as may be required for some nurse practitioner concentrations).

Nurse Education in Academic and Practice Settings (Grad Certificate)

NUNURSEDCE

COLLEGE OF NURSING AND HEALTHCARE INNOVATION, DTPHX

Contact: <http://nursing.asu.edu/> | Tatiana.Thompson@asu.edu | NHI 461 | 480/727-6930 | 3020

Official Degree Awarded: Nurse Education in Academic and Practice Settings (certificate) (CERT)

Program Description: The Graduate Certificate in Nurse Education in Academic and Practice Settings is an innovative program that is offered mostly online for nurses who have at least a bachelor's degree and who are interested in teaching in academic or practice settings.

Program Requirements: The 14-semester-hour graduate certificate program includes courses covering curriculum development, teaching in the classroom, teaching online, and producing and evaluating educational programs in academic and practice settings. A three semester-hour teaching practicum (comprised of 135 clock hours) is also an integral part of the program. Most of the courses are offered online.

Admission Requirements: Registered nurses who have completed a bachelor's degree are qualified for this program. Applicants must meet the admissions criteria of the Graduate College for graduate certificates to be eligible to apply to the program.

Nursing Education (MS) NUNURSEDMS

COLLEGE OF NURSING AND HEALTHCARE INNOVATION, DTPHX

Contact: <http://nursing.asu.edu/> | renee.mcleod@asu.edu | CONHI 458 | 602/496-0907 | 3020

Official Degree Awarded: Nursing (Nursing Education) (MS)

Program Description: The faculty in the College of Nursing and Healthcare Innovation offer a graduate program leading to the MS degree in Nursing with a concentration as a nurse educator. The purpose of the MS program is to provide an academic environment that fosters scholarship, critical thinking, and creativity, and prepares nurses for leadership as educators. The MS program offers advanced-level courses that can be used as a basis for doctoral study and for functional role development in teaching.

Program Requirements: This degree program requires a minimum total of 42 semester hours. An applied project and thesis option are available. The core of the program consists of 15 hours of courses and a practicum which focus on the science and art of nursing education. Students who choose the nurse educator concentration pathway must have a bachelor's degree (or higher) in Nursing. At the completion of the program, graduates may be eligible to take the National League for Nursing certification examination.

Admission Requirements: Admission to graduate status in the College of Nursing and Healthcare Innovation is based upon meeting the following requirements:

1. an undergraduate junior or senior GPA equal to 3.00, or a cumulative GPA equal to 3.00 (4.00=A) or higher for any baccalaureate or graduate degree attained;
2. a baccalaureate degree in nursing accredited by a nationally recognized and regionally accredited agency;
3. a current unencumbered license in the state where clinical practice will be concluded and/or an unencumbered Arizona license to practice as a registered nurse to enroll in nursing practicum courses;
4. satisfactory completion of only the analytical writing section of the Graduate Record Examination;
5. three professional recommendations from individuals knowledgeable about the applicant's academic and nursing leadership potential and one self-evaluation;

6. an interview with a representative of the specialty area;
7. eligibility for admission to the Graduate College; and
8. completion of the TOEFL with a score of 550 or higher and of all requirements for the Commission on Foreign Graduate Nursing Schools (CFGNS), if considered an international student.

Nursing and Healthcare Innovation (PhD) NUNHIPHD

COLLEGE OF NURSING AND HEALTHCARE INNOVATION, DTPHX

Contact: <http://nursing.asu.edu> | PhDnursing@asu.edu | CONHI | 602/496-0930 | 3020

Official Degree Awarded: Nursing and Healthcare Innovation (PhD)

Program Description: The College of Nursing and Healthcare Innovation continues to offer this program in a hybrid-online format. Approximately one third of the curriculum in each course is delivered in a traditional classroom setting, and two thirds is completed in a Web-based format. Several different modalities are used to enhance the student's learning, including multimedia presentations, asynchronous discussion boards and live chats.

Program Requirements: The PhD curriculum consists of a minimum of 84 credit hours. Up to 30 hours from a previously awarded master's degree can count toward this requirement. Twelve credit hours are required in a substantive area of concentration and may be added to any semester, based on availability and student interest.

Twenty-four hours are required with a research focus, including 12 hours of dissertation credit. The program of study can be as broad or as narrow as the student and the supervisory program committee deem necessary for the student's career goals. The program may incorporate courses from other disciplines to further refine substantive areas of study. With approval of the supervisory committee, students may include course work from other departments. ASU offers a flexible menu of graduate courses in the various fields, in some cases team taught.

Both written and comprehensive oral examinations are required. Students must also complete and successfully defend a written dissertation.

Admission Requirements: Admittance to the PhD program requires a master's degree from an accredited program.

International Applicants: Individuals from a country whose native language is not English must meet previous qualifications and provide evidence of English proficiency, as indicated by acceptable scores of the TOEFL. Acceptable TOEFL scores are 550 (PBT) or 213 (CBT) or 83 (iBT).

Pediatric Nurse Practitioner - DNP NUANPPDNP

COLLEGE OF NURSING AND HEALTHCARE INNOVATION, DTPHX

Contact: <http://nursing.asu.edu/index.htm> | Pamela.kulikowski@asu.edu | NHI 358B | 602/496-0857 | 3020

Official Degree Awarded: Advanced Nursing Practice (Pediatric Nurse Practitioner) (DNP)

Program Description: The Doctor of Nursing Practice program may be completed for certification to be a pediatric nurse practitioner. Graduate courses in application of theory to advanced practice, application of evidence to advanced practice, advanced pathophysiology, and advanced health assessment, advanced practice nursing role provide a foundation for this specialty. Nursing of children theory and clinical courses focus on the development of a framework for family centered, culturally appropriate, advanced nursing practice with children and families. Individual courses focus on well child maintenance as well as diagnosis, clinical decision making, and intervention strategies for children with common health problems.

Program Requirements: The Association of Nursing for Critical Care (ANCC) has recommended a minimum of 1000 postbaccalaureate hours for all students completing a DNP. The College of Nursing and Healthcare Innovation's program allows post-baccalaureate entry students to complete 630 hours of supervised clinical in their chosen specialty before receiving their Master of Science degree. This will allow students to then meet the requirements for certification and licensure in their specialty. The additional 450 hours are completed after certification and licensure while practicing as an advance practice nurse and completing the final DNP courses. The culminating document needed for completion of the Doctor of Nursing Practice is an evidence-based mentoring applied project. Each student will have a primary mentor and at least one committee member working

with them on the project. Clinical practice residency hours will be used to carry out the project in a practice setting (work settings may be included, but speci

Admission Requirements: Admission to graduate status in the College of Nursing and Healthcare Innovation is based upon meeting the following requirements:

1. an undergraduate junior or senior GPA equal to 3.00, or a cumulative GPA equal to 3.00 (4.00=A) or higher for any baccalaureate or graduate degree attained;
2. a baccalaureate degree in nursing (or another field) accredited by a nationally recognized and regionally accredited agency;
3. a current unencumbered license in the state where clinical practice will be concluded and/or an unencumbered Arizona license to practice as a registered nurse to enroll in nursing practicum courses;
4. satisfactory completion of only the analytical writing section of the Graduate Record Examination;
5. three professional recommendations from individuals knowledgeable about the applicant's academic and nursing leadership potential and one self-evaluation;
6. an interview with a representative of the specialty area;
7. eligibility for admission to the Graduate College;
8. completion of the TOEFL with a score of 550 or higher and of all requirements for the Commission on Foreign Graduate Nursing Schools (CFGNS) if considered an international student; and
9. completion of a baccalaureate-level health assessment course within the preceding three years (as may be required for some nurse practitioner concentrations).

Women's Health Nurse Practitioner - DNP NUANPWHDNP

COLLEGE OF NURSING AND HEALTHCARE INNOVATION, DTPHX

Contact: <http://nursing.asu.edu/index.htm> | Pamela.kulikowski@asu.edu | NHI 358B | 602/496-0857 | 3020

Official Degree Awarded: Adv Nursing Practice (Women's Health NP) (DNP)

Program Description: Women's Health Nurse Practitioner - DNP

PUBLIC PROGRAMS, COLLEGE OF

Community Resources and Development PhD PPCRDPHD

COLLEGE OF PUBLIC PROGRAMS, DTPHX

Contact: <http://crdPhD.asu.edu> | scrd@asu.edu | UCENT 550 | 602/496-0550 | 4020

Official Degree Awarded: Community Resources and Development (PhD)

Program Description: The School of Community Resources and Development and the Department of Recreation and Tourism Management offer a graduate program leading to the PhD degree in Community Resources and Development.

The PhD in Community Resources and Development is a theoretically grounded, research intensive degree program designed to prepare graduates for research- oriented careers in higher education, governmental agencies, nonprofit organizations and private sector businesses. The program is based on the concept of building sustainable and healthy communities as the unifying principle in the established focus areas of: parks and recreation management, tourism development and management, nonprofit leadership and management, and community studies. The theoretical and methodological approaches embedded in this program serve to integrate scholarship in these areas in order to gain a more meaningful understanding of, and impact on, community life and dynamics. The program is interdisciplinary in nature. The core faculty engaged in this program is housed in the School of Community Resources and Development (at the Downtown Phoenix campus) and the Department of Recreation and Tourism Management (at West campus). In addition, the PhD builds on current collaborations with faculty with related research interests from many ASU departments, schools, and centers.

Program Requirements: The PhD program consists of a minimum of 84 semester hours. Up to 30 hours from a previously awarded master's degree can count toward the PhD requirements. All students are advised initially by the PhD graduate program director as a cohort. Students are required to take 18 semester hours of core course work, 15 hours of which are with the cohort, during the first year. Students are assigned an individual advisor/mentor at the end of the first year of study. A supervisory committee is also formed at the end of the first year which reflects the interests of the student and faculty. Each student develops his or her program of study in consultation with the PhD graduate program coordinator, advisor and supervisory committee. Students complete at least 12 semester hours of elective course work, including courses from contributing disciplines, selected in consultation with their advisor to foster the interdisciplinary nature of the degree program. Students can also complete at least 12 hours of CRD 792 Research and 12 hours of CRD 700 Dissertation. When the majority of course work has been completed and before dissertation research is started, students must complete a written examination followed by an oral exam. These examinations must be completed within five years of admission.

Admission Requirements: Applications are reviewed by the admissions committee and recommendations for admission are then made by the graduate program director to the dean of the Graduate College. Minimum Graduate College requirements must be met. Additionally, each applicant must provide a statement of academic and professional goals in sufficient detail to indicate compatibility with the educational objectives and capabilities of the PhD program. GRE test scores, a current and professional resume, and three letters of recommendation are required. The letters may be a mix of academic and professional references, but each must address the applicant's capacity to successfully complete the doctoral program. International applicants are also required to submit TOEFL scores and a financial guarantee statement. Admissions recommendations are made only once a year, with admitted students beginning their studies in fall semester. To assure consideration for the ensuing fall semester, candidates should submit their application, graduate assistantship, and tuition waiver by February 1. Students applying to the program are expected to have a master's degree from an accredited institution which included a master's-level research methods and statistics class or classes. If deficiencies exist in community resource and development-related course work at the master's-level, appropriate classes are suggested.

Criminal Justice (MA) PPCRIMJMA

COLLEGE OF PUBLIC PROGRAMS, DTPHX

Contact: <http://ccj.asu.edu/> | sccj@asu.edu | FAB South 301 | 602/543-0023 | 3250

At the outset of the 2008-09 academic year, this degree was offered by the College of Human Services on ASU's West campus. As a result of the academic reorganization that occurred during the 2008-09 academic year, this degree program was moved to the College of Public Programs at the Downtown Phoenix campus.

Official Degree Awarded: Criminal Justice (MA)

Program Description: The Master of Arts in Criminal Justice degree (MACJ) is a 33 semester-hour program designed to provide criminal justice agency professionals with course work in criminology and the operation of the criminal justice system, as well as training in research methods and statistics. The MACJ degree program also provides students with advanced training in program planning and management, policy analysis, and program evaluation.

Admission Requirements: Students must submit an application for admission, an official transcript from every university or institution attended and the application fee to the Graduate College. The suggested application deadlines are April 1 for fall semester and November 1 for spring semester.

In addition to the application material required by the Graduate College, applicants must submit

1. two letters of recommendation; and
2. a personal statement that addresses the applicant's prior education and professional experience, discusses the applicant's career goals, and explains how the MACJ will help the applicant achieve those goals.

For more information on these application procedures, access the school's Web site at <http://chs.asu.edu/ccj/ma/>.

The letters of recommendation and personal statement should be sent to

MA in Criminal Justice Program
College of Human Services
Arizona State University
4701 W. Thunderbird Rd.
Mail Code 3250
Glendale AZ 85306-4908

Criminology and Criminal Justice (MS) PPCRJMS

COLLEGE OF PUBLIC PROGRAMS, DTPHX

Contact: <http://ccj.asu.edu/> | sccj@asu.edu | FAB South 301 West Campus | 602/543-0023 | 3250

At the outset of the 2008-09 academic year, this degree was offered by the College of Human Services on ASU's West campus. As a result of the academic reorganization that occurred during the 2008-09 academic year, this degree program was moved to the College of Public Programs at the Downtown Phoenix campus.

Official Degree Awarded: Criminology and Criminal Justice (MS)

Program Description: The Master of Science in Criminology and Criminal Justice is a research degree designed to provide students with a high level of theoretical and empirical knowledge about crime and criminal justice. The program also is designed to provide students with the advanced research skills needed for careers as criminal justice researchers and continued study in doctoral programs in criminology or criminal justice. The degree consists of 24 semester hours of coursework and a six-hour thesis.

Admission Requirements: Students must submit an application for admission, an official transcript from every university or institution attended, GRE scores and the application fee to the Graduate College. The suggested application deadlines are April 1 for fall semester and November 1 for spring semester.

In addition to the application material required by the Graduate College, applicants must submit

1. two letters of recommendations; and
2. a personal statement that addresses the applicant's prior education and professional experience, discusses the applicant's career goals and explains how the MSCCJ will help the applicant achieve these goals.

For more information on these application procedures, access the school's web site at <http://chs.asu.edu/ccj/ma/>.

The letters of recommendation and personal statement should be sent to

MS in Criminology and Criminal Justice Program
College of Human Services
Arizona State University
4701 W. Thunderbird Rd.
Mail Code 3250
Glendale AZ 85306-4908

Criminology and Criminal Justice (PhD) PPCRJPHD

COLLEGE OF PUBLIC PROGRAMS, DTPHX

Contact: <http://ccj.asu.edu/> | sccj@asu.edu | FAB South 301 West Campus | 602/543-0023 | 3250

At the outset of the 2008-09 academic year, this degree was offered by the College of Human Services on ASU's West campus. As a result of the academic reorganization that occurred during the 2008-09 academic year, this degree program was moved to the College of Public Programs at the Downtown Phoenix campus.

Official Degree Awarded: Criminology and Criminal Justice (PhD)

Program Description: The School of Criminology and Criminal Justice at Arizona State University offers a program of coursework and research leading to the PhD in Criminology and Criminal Justice. This program emphasizes criminal justice theory, research and policy. The program is designed to produce highly skilled criminology and criminal justice faculty and agency researchers and administrators.

The PhD program in criminology and criminal justice is organized around five components:

1. a core of required courses in theory and research on crime and the criminal justice system;
2. a core of required courses on research methods and analytical techniques;
3. elective courses in criminology, criminal justice and related fields;
4. a comprehensive examination; and
5. a dissertation.

Admission Requirements: Students must submit an application for admission, an official transcript from every university or institution attended, GRE scores and the application fee to the Graduate College. The application deadline is February 1 for fall semester.

In addition to the basic requirements established by the Graduate College, the School of Criminology and Criminal Justice requires the following:

- An earned master's degree or a juris doctor degree from an accredited institution. The master's degree may be a degree in criminal justice, criminology, or another field (e.g., sociology, political science, history, social work, public administration, psychology or philosophy).
- Outstanding students with a baccalaureate degree may be admitted directly into the PhD program. These students' work will be reviewed after completion of 30 semester hours of graduate coursework. Students whose work passes the review are awarded the Master of Arts in Passing.
- Two letters of reference from faculty members or others qualified to evaluate the applicant's academic potential for doctoral study.
- A resume.
- A personal statement, not exceeding five pages, that describes the applicant's prior education, relevant professional experience, and career goals, and that explains how the Ph.D. in Criminology and Criminal Justice will help the applicant attain his/her career goals. The statement should explicitly explain how the student's plans are consistent with the role and mission of the School of Criminology and Criminal Justice at ASU.
- Applicants who wish to apply for a graduate assistantship must also submit the school's application for a graduate assistantship.
- International students seeking admission to the program must meet ASU Graduate Faculty requirements governing the admission of international students, which can be found at <http://www.asu.edu/graduate/admissions/international.html>.

For more information on these application procedures, access the school's web site at <http://chs.asu.edu/programs/ccj/>.

The letters of recommendation and personal statement should be sent to:

PhD in Criminology and Criminal Justice Program
College of Human Services
Arizona State University
4701 W. Thunderbird Rd.
Mail Code 3250
Glendale AZ 85306-4908

Downtown Phoenix - Social Work (PhD) PPSW2PHD

COLLEGE OF PUBLIC PROGRAMS, DTPHX

Contact: <http://ssw.asu.edu/> | social.work@asu.edu | ASU DOWNTOWN UCEN 800 | 6024960800 | 3920

Official Degree Awarded: Social Work (PhD)

Program Description: The purpose of our doctoral program is to "prepare future social work scholars." While there are many possible definitions of scholarship, the Arizona State University School of Social Work adheres to a broad definition.

A scholar in social work engages in research, teaching, and service. Our program introduces students to the complex range of roles and responsibilities of faculty and other social work roles of leadership. Critical thinking and creativity in research, teaching, and service are at the core of our program.

Given the cultural and economic diversity of the Southwest, our program also strives to elaborate the human potential embedded in our region's distinct experiences and perspectives. The university offers opportunities for scholarship integrating diverse cultural experiences such as those offered through specialized programs, including American Indian Studies and Chicano and Chicana Studies, African and African American Studies and Asian Pacific American Studies. We hope that our graduates will play key roles in integrating diversity in their social welfare activities with local, state, and regional groups.

The program emphasizes enhancement of scholarship through:

1. applied social work research in diverse community settings and populations of the Southwest;
2. teaching, from syllabus development to classroom teaching across the professional continuum;
3. participation in collegial decision making; and
4. participation in field education and community services.

Students are expected to participate fully in research teaching, and field liaison activities during their course of studies.

Program Requirements: Students must demonstrate scholarly competencies that are tailored to individuals interests. These competencies include micro/macro theories and perspectives on critical issues in social work and social welfare, research methodologies (qualitative and quantitative), and professoriate/leadership training in research, teaching and service.

Our doctoral degree requires that a student take a minimum of 36 course credit hours beyond the MSW degree and 84 beyond the baccalaureate degree. Students may need to take additional course work to achieve the competency requirements set by the program or set by their graduate supervisory committees. Students must also take a minimum of 24 credit hours of dissertation related research (12 hours of SWG 792 and 12 hours of SWG 799).

Residency

Within the first year of matriculation, all students must complete the School of Social Work residency requirement (a minimum of nine semester hours in each semester of consecutive fall/spring or spring/fall semesters excluding summers).

Foreign Language Requirement

None.

Qualifying Examination

Students are given a qualifying examination in the semester following the completion of the first 18 hours of approved PhD course work. Students who fail the examination may retake it the following semester. Students failing the qualifying examination twice will be dropped from the program.

Comprehensive Examination

Upon completion of course work and the qualifying examination, but before beginning dissertation research, students are given a written examination covering research, theory, and methods in their substantive areas. If students should fail one or more components of the examination, a reexamination may be administered no sooner than three months and no later than one year from the date of the original examination. Approval of the reexamination must be obtained from the supervisory committee and dean of graduate studies.

Research and Dissertation Requirements

Each candidate must register for a minimum of 12 hours of research credit and for 12 hours of dissertation credit.

Final Examination

The final oral examination in defense of the dissertation is scheduled and conducted by the student's dissertation committee. A candidate must pass the final examination within five years after completing the comprehensive examination.

The following courses are required:

1. 12 hours of required 700-level social work courses approved by the Doctoral Program Committee,
2. 12 hours of research methods and statistics courses selected from an approved list provided by the Doctoral Program Committee,
3. three hours of theory course in a social science discipline, and
4. Nine hours of directed electives in an identified and chair-approved substantive area of which no more than three of these hours may be used in readings and conference or independent study courses.

Once the 36 minimum course credit hours are completed, students are also required to register for 24 hours of dissertation research credit (SWG 792 before proposal defense and SWG 799 after). Students must be registered for at least one credit hour during the semester (including summer) when they do their dissertation proposal defense. At least one of the dissertation hours must be taken in the semester the student expects to defend his or her dissertation.

Admission Requirements: Admission to the PhD program in the School of Social Work is based on the following criteria:

1. A MSW from an accredited school of social work preferably with two or more years of post-MSW employment in human services. Though an MSW is preferred, exceptions may be made for students with a BSW from an accredited school of social work and a master's degree in a related field and for students from countries without accreditation;
2. Undergraduate and graduate grade point averages;
3. Scores of the Graduate Record Exam (GRE), with emphasis on verbal and analytic scores;
4. Quality and extensiveness of social work experience;
5. Experience with diverse populations;
6. Experience in social work teaching or research and other scholarly activities;
7. Research potential and creativity as demonstrated in requested essays and references;
8. Goodness-of-fit with program goals; and
9. Good professional standing.

Admission to the PhD program requires completion of all admission requirement and procedures set forth by the Graduate College. Applications are accepted up to February 1 preceding the fall semester to which the applicant is seeking admission.

All PhD program applicants must submit the following to the School of Social Work:

1. an application to the PhD program in Social Work;
2. a writing sample—Social Problem Essay;
3. examples of written work (students may submit samples of their professional and/or academic writing); and
4. three letters of recommendation on the forms provided by the School of Social Work.

In addition, all applicants must submit the following to the Graduate College:

1. a completed Graduate College application form;
2. the application fee;
3. an official transcript of all academic work completed or in progress; and

4. TOEFL of Speak exam results for international students whose native language is not English.

Downtown Phoenix - Social Work - Adv Standing - Adv Direct Practice (MSW) PPAPDTMSW

COLLEGE OF PUBLIC PROGRAMS, DTPHX

Contact: <http://ssw.asu.edu/> | social.work@asu.edu | UCENT 800 | 6024960800 | 3920

Official Degree Awarded: Social Work (Advanced Direct Practice) (MSW)

Program Description: The professional program leading to the Master of Social Work (MSW) degree prepares social workers for advanced direct practice or planning, administration, and community practice. The program is designed to prepare social workers who are capable of responding effectively to the needs of special populations in the Southwest. This program is located at the Downtown Phoenix campus and in Tucson. It is accredited by the Council on Social Work Education.

Program Requirements: This degree program requires 36 semester hours of course work. Students must start the program in summer (beginning with the first summer session) and complete a total of three semester hours in each summer session for a total of six hours. The six semester hours of summer courses are not offered in Tucson. Students also complete one internship and select one of three specializations: Children, youth, and families health; behavioral health; or public child welfare. Not all of these specializations may be offered in Tucson. Students must also complete a written comprehensive examination, a thesis, or a capstone course.

Summer Session Course Work

D SWG 598 ST: Advanced Standing Bridge Seminar (3)

D SWG 598 ST: Advanced Standing Bridge Seminar (3)

Total: Six

The following specialization courses are required:

Children, Youth and Families

D SWG 606 Assessment of Mental Disorders (3)

D SWG 608 Ecological Approach to Practice with Children, Youth and Families (3)

D SWG 619 Practice-Oriented Research (3)

D SWG 617 Advanced Social Work Practice with Children and Adolescents (3)

D SWG 621 Integrative Seminar

D SWG 641 Advanced Practicum: Direct Practice I (3)

D SWG 642 Advanced Practicum: Direct Practice II (3)

Electives: Nine hours. Two electives must be from an approved list of electives.

Total 30

Health, Behavioral Health

D SWG 603 Practice in Health/Behavioral Health Settings (3)

D SWG 606 Assessment of Mental Disorders (3)

D SWG 619 Practice-Oriented Research (3)

D SWG 621 Integrative Seminar (3)

D SWG 641 Advanced Practicum: Direct Practice I (3)

D SWG 642 Advanced Practicum: Direct Practice II (3)

Choose one of the following courses

D SWG 604 Advanced Social Work Practice in Health (3)
D SWG 613 Advanced Social Work Practice in Behavioral Health (3)
Electives : Nine hours. Two electives must be from an approved list of electives

Total 30

Public Child Welfare

D SWG 606 Assessment of Mental Disorders (3)
D SWG 608 Ecological Approach to Practice with Children, Youth and Families (3)
D SWG 609 Advanced Social Work Practice with Child Welfare Families (3)
D SWG 619 Practice-Oriented Research (3)
D SWG 621 Integrative Seminar (3)
D SWG 633 Child Welfare Services (3)
D SWG 641 Advanced Practicum: Direct Practice I (3)
D SWG 642 Advanced Practicum: Direct Practice II (3)
Electives: Six hours. Which must be from an approved list of electives

Total 30

Admission Requirements: Applicants must follow the procedures for admission to the Graduate College. Advanced Standing Program applicants must have a BSW degree from a Council on Social Work. Applications to the advanced standing program are accepted from November 1 to January 2 preceding the summer session to which the applicant is seeking admission. Applicants admitted to the advanced standing program begin classes in the summer.

All advanced standing program applicants must submit the following to the School of Social Work:

1. a School of Social Work MSW application form;
2. an MSW advanced standing application;
3. a statement of educational and career goals;
4. a professional résumé that includes volunteer and paid work experience;
5. a written case example covering areas specified in the advanced standing application; and
6. three letters of reference.

A combination of academic and professional references is desirable. References from friends, family members, or personal therapists are not accepted. At least one of the three required references must be from the applicant's BSW field instructor, or if employed in a social work-related job for two or more years, a recommendation from the applicant's supervisor. Applicants must have received their BSW degree no more than five years before the date of admission.

In addition, all applicants must submit the following to the Graduate College:

1. a completed Graduate College application form;
2. the application fee; and
3. an official transcript of all academic work completed or in progress.

Downtown Phoenix - Social Work - Adv Standing-Plan, Admin and Comm Practice (MSW) PPCPDTMSW

COLLEGE OF PUBLIC PROGRAMS, DTPHX

Contact: <http://ssw.asu.edu/> | social.work@asu.edu | UCENT 800 | 6024960800 | 3920

Official Degree Awarded: Social Work (Planning, Administration and Community Practice) (MSW)

Program Description: The professional program leading to the Master of Social Work (MSW) degree prepares social workers for advanced direct practice or planning, administration, and community practice. The program is designed to prepare social workers to be capable of responding effectively to the needs of special populations in the Southwest. The MSW degree program is accredited by the Council on Social Work Education, and is located at the Downtown Phoenix campus and in Tucson.

Program Requirements: This degree program requires 36 semester hours of course work. Students must start the program in summer (beginning with the first summer session) and complete a total of three semester hours in each summer session for a total of six hours. The six semester hours of summer courses are not offered in Tucson. Students also complete one internship. The planning, administration, and community practice courses are generally not offered in Tucson. A written comprehensive examination, thesis, or capstone course is also required.

Summer Session Course Work

D SWG 598 ST: Advanced Standing Bridge Seminar (3)

D SWG 598 ST: Advanced Standing Bridge Seminar (3)

Total 6

Planning, Administration, and Community Practice (PAC)

D SWG 623 Agency and Community-Based Research in Social Work (3)

D SWG 632 Social Policy and Services II (3)

D SWG 643 Advanced Practicum: Planning, Social Work Administration, and Community Practice I (3)

D SWG 644 Advanced Practicum: Planning, Social Work Administration, and Community Practice II (3)

D SWG 681 Social Work Administration (3)

D SWG 682 Community Participation Strategies (3)

D SWG 685 P: Program Planning in Social Services (3)

Electives (9)

Total 30

Electives may be selected from offerings at the School of Social Work or courses offered through other departments with the approval of the MSW program coordinator.

Admission Requirements: Applicants must follow the procedures for admission to the Graduate College. Advanced Standing Program applicants must have a BSW degree from a Council on Social Work Education's accredited program with at least a 3.50 GPA (on a 4.00 scale) in required upper-division social work courses. A GPA of at least 3.00 (on a 4.00 scale) for the last two years of work leading to the BSW degree is also required. In addition, all applicants are required to successfully complete a course in human biology and statistics before enrolling in the advanced standing program. Applications to the advanced standing program are accepted from November 1 to January 2 preceding the summer session to which the applicant is seeking admission. Applicants admitted to the advanced standing program begin classes in the summer.

All advanced standing program applicants must submit the following to the School of Social Work:

1. a School of Social Work MSW application form;
2. an MSW advanced standing application;
3. a statement of educational and career goals;
4. a professional résumé that includes volunteer and paid work experience;
5. a written case example covering areas specified in the advanced standing application; and
6. three letters of reference.

A combination of academic and professional references is desirable. References from friends, family members, or personal therapists are not accepted. At least one of the three required references must be from the applicant's BSW field instructor, or if employed in a social work-related job for two or more years, a recommendation from the applicant's supervisor. Applicants must have received their BSW degree no more than five years before the date of admission.

In addition, all applicants must submit the following to the Graduate College:

1. a completed Graduate College application form;
2. the application fee; and
3. an official transcript of all academic work completed or in progress.

Latino Cultural Competency in Social Work (Grad Certificate) PPSWGGRCL

COLLEGE OF PUBLIC PROGRAMS, DTPHX

Contact: <http://ssw.asu.edu> | social.work@asu.edu | UCENT 800 | 602/496-0800 | 3920

Official Degree Awarded: Latino Cultural Competency in Social Work (certificate) (CERT)

Program Description: In response to the need, ASU through the College of Public Programs, School of Social Work, offers a graduate certificate in Latino Cultural Competency. The School of Social Work offers Latino-oriented courses with an emphasis on Spanish language development for professional social workers.

The goal of the program is to enhance a social worker professional's capacity for engaging in culturally grounded practice with Latino clients and their families.

The program is intended for the professional who wants to:

1. Learn the social/cultural context and theoretical principles of social work practice with Latinos.
2. Learn the critical cross-cultural factors that influence a worker's competency in forming professional helping relationships with Latinos.
3. Learn the social service delivery issues involved in providing services for bilingual and limited- or non-English-speaking Latino populations.
4. Expand their employment potential by adding an expertise in professional services with Latinos.

Program Requirements: For an MSW graduate student 15 semester hours of course work is required for the Latino Cultural Competency Certificate.

Element Requirements:

1. Field Practice, six semester hours of Field Practicum.
2. Completion of 480 hours of field practicum with Latino clients/communities (60 percent of case load is to be Spanish-speaking.)
3. Social Work Course Work, three semester hours: Diversity and Oppression in a Social Work Context.
4. Latino Oriented Course Work, six semester hours of Latino oriented course work. At least three hours are required to be taken from within the School of Social Work.

For a Community Professional Social Worker and Community Worker, the Latino Cultural Competency Graduate Certificate requires 15 semester hours of course work.

Element Requirements:

1. Field Practice, six semester hours of Independent Study Field Practice, Completion of 480 hours of field practice with Latino clients/communities (60 percent of client caseload is to be Spanish-speaking). May petition to use place of employment.
2. Social Work Course Work, three semester hours: Diversity and Oppression in a Social Work Context, MSW or BSW professional who has completed this course in the past five years may substitute this course with a Latino-oriented course.
3. Latino-oriented Course Work, six semester hours of Latino-oriented course work. At least three hours are required to be taken from within the School of Social Work.

Admission Requirements: Students interested in applying to this program must submit a Graduate College online application.

Option One-Social Work Graduate Student-Admissions Requirements: Graduate status in the College of Public Programs' School of Social Work and demonstrated proficiency in Spanish language.

Option Two-Community Professional Social Worker-Admissions Requirements: Possess a Master of Social Work or Bachelor of Social Work, or a related master's degree, demonstrated proficiency in Spanish language.

Option Three-Community Worker-Admissions Requirements: The equivalency of a two-year work experience in the social service field, undergraduate degree, demonstrated proficiency in Spanish language.

Nonprofit Leadership and Management (Grad Certificate) PPNONPROCE

COLLEGE OF PUBLIC PROGRAMS, DTPHX

Contact: http://www.asu.edu/copp/nonprofit/edu/grad_op.htm | Carlton.Yoshioka@asu.edu | UCENT 500 | 602/496-0500 | 4120

Official Degree Awarded: Nonprofit Leadership and Management (certificate) (CERT)

Program Description: The graduate certificate in Nonprofit Leadership and Management, offered through the College of Public Programs, is a graduate program that provides students with an understanding of the nonprofit sector's role in society and with the skills necessary for effective leadership and management of these organizations. The objective of this program is to provide students with professional skills needed by leaders in the nonprofit sector, including the understanding of the historical and philosophical context for nonprofit organizations in society, the management of human resources (paid and volunteer), the theory and practice of philanthropy, financial management practices, and other topical content areas.

Program Requirements:

Admission Requirements: The program is available to students who are pursuing their graduate degree in a chosen field of study and who have expressed interest in pursuing careers in the nonprofit sector. In addition, the program is well suited for working professionals who may or may not be pursuing a graduate degree but who wish to strengthen their skills and connections to the nonprofit community. All applicants must have two years of demonstrable nonprofit experience to obtain the graduate certificate.

For more information, see the School of Community Resources and Management Web site, or call 602/496-0500.

Nonprofit Studies (MNpS) PPNPSMNS

COLLEGE OF PUBLIC PROGRAMS, DTPHX

Contact: <http://nonprofit.asu.edu> | carlton.yoshioka@asu.edu | 411 N Central Ave, STE 500 | 602/496-0500 | 4120

Official Degree Awarded: Nonprofit Studies (MNPS)

Program Description: The Master of Nonprofit Studies (MNpS) degree program is intended for professionals who work in or desire to work in the nonprofit sector. The degree program provides an opportunity to obtain an advanced degree that addresses the unique character of nonprofit organizations and the social sector. Students interested in nonprofit management and social sector organizations explore research, theory and the practice of management and leadership in the nonprofit sector.

Program Requirements: The MNpS consists of a minimum of 33 semester hours. Students are required to take 18 semester hours of core course work, in which three hours are a capstone course that is completed at the end of the program of study. The capstone course is integrative and case-based, allowing students to synthesize material from prior course work. Successful completion of this course is required in place of a thesis or applied project.

Students also complete 15 semester hours of related elective course work. In addition to the NLM courses, courses are selected from two contributing disciplines (public affairs and social work) to foster the interdisciplinary nature of the degree. Students may include two three-semester-hour courses not listed below as approved electives in their program of study as long as the student can establish an intellectual and professional development objective that substantiates the course selection.

NLM 501 Program Evaluation and Information Management (3)
NLM 510 Foundations in Nonprofit Management (3)
NLM 520 Financial Management in Nonprofit (3)
NLM 540 Volunteer and Human Resource Management in Nonprofit (3)
NLM 550 Philanthropy: Theory and Practice (3)
NLM 620 Capstone: Critical Issues in Nonprofit Management (3)
Electives (15)

Total minimum semester hours required: 33

Admission Requirements: Potential applicants who hold a bachelor's degree from a regionally-accredited institution are eligible to apply. Applications are accepted year-round and students are granted admission for fall, spring or summer semesters. Students must submit the following to apply for the MNpS: completed application form to the Graduate College, statement of educational and career goals in sufficient detail to indicate compatibility with the educational objectives and capabilities of the school, three reference letters, and a curriculum vitae or résumé. Applicants whose junior/senior GPA is 3.00 or higher are eligible to apply for admission to the program. Certificate students who are interested in applying for the MNpS program must apply to the degree program before the completion of nine semester hours in their certificate program.

Public Administration (MPA) - Downtown Phoenix PPPADTMPA

COLLEGE OF PUBLIC PROGRAMS, DTPHX

Contact: <http://spa.asu.edu/MPA> | spa@asu.edu | UCENT 450 | 6024960450 | 3720

Official Degree Awarded: Public Administration (MPA)

Program Description: The MPA is an interdisciplinary, professional degree program designed to prepare students for public service, public management, and policy analysis at the local, state, and national levels of government. The MPA degree is accredited by the National Association of Schools of Public Affairs and Administration.

Program Requirements: The MPA program consists of 42 hours of graduate credit. Students take 27 of these hours in nine core classes in the School of Public Affairs, and 15 additional hours in elective courses. No more than nine semester hours of ASU graduate courses taken before admission to the school and approved by the MPA Committee can be included in the Program of Study.

Students enrolling in core courses must demonstrate minimum competency in statistics and American government. Courses taken to fulfill the competency do not count toward the 42-hour degree program. Competency in statistics is met with a grade of "B" (3.00) or higher in an approved course (PAF 401, POS 401, PSY 230, QBA 221, SOC 390 or SWU 321) within the last two years or passing a diagnostic test approved by the MPA Committee. Other courses taken within the last two years may be substituted upon approval of the MPA director. Competency in American government is a demonstrated understanding of American government institutions and processes. Students may be required to take an undergraduate class in American government (PAF 110, PAF 300, POS 310, or POS 340).

Admission Requirements: Applicants to the MPA program are considered for admission irrespective of undergraduate major, although students may be required to complete additional courses to prepare themselves for the core courses.

The applicant's undergraduate GPA, GRE scores (verbal, quantitative, and analytical writing), letters of recommendation, statement of educational and career goals are all considered in the admissions process. In addition, TOEFL scores (550 or higher) are required for international students. Admission may be limited by space availability.

Applications for admission can be sent at any time. Students requesting financial aid should have their application files completed by February 15.

All applicants must submit the following materials to the Graduate College:

1. an official application;
2. official transcripts of all undergraduate and graduate work;
3. scores on the GRE (verbal, quantitative, and analytical writing; special subject tests not required); and
4. TOEFL scores for international students.

All applicants must submit the following materials to the School of Public Affairs:

1. three letters of recommendation, at least two of which should be written by faculty who can evaluate the applicant's academic performance;
2. a written statement of applicant's educational and career goals, which also is used as a sample of the applicant's writing abilities; and
3. résumé or additional documents as the applicant sees fit.

Public Administration (Nonprofit Administration) (MPA) PPNONPRMPA

COLLEGE OF PUBLIC PROGRAMS, DTPHX

Contact: <http://spa.asu.edu/MPA> | spa@asu.edu | UCENT 450 | 6024960450 | 3720

Official Degree Awarded: Public Administration (Nonprofit Administration) (MPA)

Program Description: The MPA is an interdisciplinary, professional degree designed to prepare students for public service, public management, and policy analysis at the local, state, and national levels of government. The MPA degree is accredited by the National Association of Schools of Public Affairs and Administration.

Program Requirements: The MPA program consists of 42 hours of graduate credit. Students take 24 of these hours in eight core classes in the School of Public Affairs, 12 hours in concentration courses, and six additional elective hours.

No more than nine semester hours of ASU graduate courses taken before admission to the school and approved by the MPA Committee can be included in the Program of Study.

Students enrolling in core courses must demonstrate minimum competency in statistics and American government. Courses taken to fulfill the competency do not count toward the 42-hour degree program. Competency in statistics is met with a grade of "B" (3.00) or higher in an approved course (PAF 401, POS 401, PSY 230, QBA 221, SWU 321, or SOC 390) within the last two years or passing a diagnostic test approved by the MPA Committee. Other courses taken within the last two years may be substituted upon approval of the MPA director. Competency in American government is a demonstrated understanding of American governmental institutions and processes. Students may be required to take an undergraduate class in American Government (PAF 300, PAF 340, POS 110, or POS 310).

Admission Requirements: Applicants to the MPA program are considered for admission irrespective of undergraduate major, although students may be required to complete additional courses to prepare themselves for the core courses.

The applicant's undergraduate GPA, GRE scores (verbal, quantitative, and analytical writing), letters of recommendation and statement of educational and career goals are all considered in the admissions process. In addition, TOEFL scores (550 or higher) are required for international students. Admission may be limited by space availability.

Applications for admission can be sent at any time. Students requesting financial aid should have their application files completed by February 15.

All applicants must submit the following materials to the Graduate College:

1. an official application;
2. official transcripts of all undergraduate and graduate work;
3. scores on the GRE (verbal, quantitative, and analytical writing; special subject tests not required); and
4. TOEFL scores for international students.

All applicants must submit the following materials to the School of Public Affairs:

1. three letters of recommendation, at least two of which should be written by faculty who can evaluate the applicant's academic performance;
2. a written statement of applicant's educational and career goals, which also is used as a sample of the applicant's writing abilities; and
3. résumé or additional documents as the applicant sees fit.

Public Administration (PhD) PPPUBADPHD

COLLEGE OF PUBLIC PROGRAMS, DTPHX

Contact: <http://spa.asu.edu/PhD> | spa@asu.edu | UCENT 450 | 6024960450 | 3720

Official Degree Awarded: Public Administration (PhD)

Program Description: The School of Public Affairs offers a graduate program leading to the PhD degree in Public Administration. The PhD in Public Administration is a theoretically grounded research degree designed to prepare students for an academic career. The degree may also be appropriate for high-level practitioners who want to strengthen their practice through theory-based research. The program is designed to emphasize both normative and conceptual content pertaining to value assessments, theoretical assumptions, ethics, and modes of decision making, as well as problem-solving skills in budgeting, public personnel management, public finance, planning, program evaluation, and policy analysis.

This PhD degree program is offered through the School of Public Affairs; students are encouraged to pursue a course of study to fit individual needs and goals.

Program Requirements: The PhD program requires 96 semester hours of course work. The program of study consists of a minimum of 42 semester hours of graduate course work beyond the master's degree, plus a minimum of 24 semester hours of dissertation and research credit. A minimum of 30 semester hours of approved course work (exclusive of dissertation and research) must be taken at ASU after admission to the program. A sequence of four core courses (12 hours) is required of all students, followed by successfully passing a screening examination. Then students establish a program of study committee that works with them to develop an appropriate interdisciplinary course of study. In addition to the four core courses, an approved program of study must have a course listed in each of the following areas: quantitative research methods, qualitative research methods, political economy, and democratic theory and governance. In addition, students are expected to develop areas of specialization.

Admission Requirements: Applications are reviewed by an admissions committee appointed by the director of the program. Recommendations for admission are made by the director to the dean of the Graduate College. Minimum Graduate College admission requirements must be met. Additionally, each applicant must provide a letter of career goals and statement of reasons for seeking the degree, GRE test scores, a professional résumé, and three letters of recommendation. Letters may be a mix of academic and professional references, but all must address the applicant's capacity to successfully complete the doctoral program. International students must submit both TOEFL and TSE scores. Admissions recommendations are made only once each year, with admitted students beginning their studies in the fall semester. To assure consideration for the ensuing fall semester, submit applications for admission and financial aid forms by January 15. Only applicants already holding master's degrees are considered. If deficiencies exist in public administration course work at the master's level, appropriate classes are prescribed.

Public Administration (Urban Management) (MPA) PPPAFUMPA

COLLEGE OF PUBLIC PROGRAMS, DTPHX

Contact: <http://spa.asu.edu/MPA> | spa@asu.edu | UCENT 450 | 602/496-0450 | 3720

Official Degree Awarded: Public Administration (Urban Management) (MPA)

Program Description: The MPA degree program with a concentration in urban management provides knowledge and skills to students seeking careers in local urban government management. This program enables students to develop the skills and techniques used by city and urban leaders and managers to implement policies, projects, and programs that resolve important problems, while addressing organizational, human resource and budgetary challenges.

Program Requirements: The MPA program consists of 42 semester hours of graduate course work. Students complete 27 of these hours in nine core classes within the School of Public Affairs. They take 12 additional hours of concentration courses, and three semester hours of elective credit.

No more than nine semester hours of graduate-level courses taken before admission to the school can be counted toward the program of study.

Students enrolling in the core courses must first demonstrate minimum competency in statistics and American government. Courses taken to fulfill the competency do not count toward the required 42 semester hours.

Competency in statistics is met through a grade of “B” or higher in one of the approved courses (PAF 401, POS 401, PSY 230, QBA 221, SWU 321 or SOC 390) within the past two years or by passing a diagnostics test approved by the MPA committee. Other courses taken within the past two years may be substituted upon the approval of the MPA director.

Competency in American government is considered a demonstrated knowledge of American governmental institutions and processes. Students may be required to take an undergraduate course in American government (PAF 300, PAF 340, POS 110, or POS 310).

Admission Requirements: Applicants to the MPA program are considered for admission irrespective of their undergraduate major, although students may be required to complete additional courses to prepare themselves for the core courses.

An applicant’s undergraduate GPA, GRE scores (verbal, quantitative and analytical writing), letters of recommendation, and statement of career and educational goals are all considered in the admissions process. In addition, TOEFL scores (550 or higher) are required of international students. Admission may be limited by space availability.

Applications can be submitted at anytime. Students requesting financial aid should have their application files completed by February 15, however.

All applicants must submit the following materials to the Graduate College: an official ASU Graduate College application and application fee, official transcripts of all undergraduate and graduate course work, scores on the GRE (verbal, quantitative and analytical writing), and TOEFL scores (for international students).

All applicants must also submit the following materials to the School of Public Affairs: three letters of recommendation (at least two of these should be from faculty who can evaluate the candidate’s academic performance), a written statement of the applicant’s educational and career goals (which is also used as a sample of the applicant’s writing ability), and a resume or additional documents as the applicant sees fit.

Public Administration (Urbanism) PHD PPPAURBPHD

COLLEGE OF PUBLIC PROGRAMS, DTPHX

Contact: <http://spa.asu.edu> | spa@asu.edu | UCENT 400 | 6024960450 | 3720

Official Degree Awarded: Public Administration (Urbanism) (PhD)

Program Description: The concentration in urbanism is a mechanism for organizing varied perspectives on urbanism into a collective body of scholarship. The study of Public Administration is enriched by grounding it in a comprehensive understanding of the characteristics of urban context and the dynamic forces that shape them. The concentration in urbanism leverages the varied interests in urbanism and help emerging scholars as they attempt to compare, contrast, and take stock of urbanism. Working with faculty from across a range of departments and programs at ASU, doctoral students will be able to capture the creative tensions that scholarship on urbanism has inspired in order to stimulate a provocative, constructive kind of inquiry.

Program Requirements: The Ph.D. program consists of a minimum of 66 semester hours of graduate work beyond the master's degree. The program of study consists of a minimum of 42 semester hours of graduate course work beyond the master's degree, plus a minimum of 24 semester hours of dissertation and research credit. A minimum of 30 semester hours of approved course work (exclusive of dissertation and research) must be taken at ASU after admission to the program. A sequence of four core courses (12 hours) is required of all students in their first year, followed by successfully passing a screening examination. Then students establish a program of study committee that works with them to develop an appropriate interdisciplinary course of study. In addition to the four core courses, an approved program of study must include required courses in quantitative and qualitative methods (taken during their second year) and a professional development workshop (taken during their third year). Students also take 15 credit hours selected from an approved list of applicable courses related to urbanism for the concentration.

Admission Requirements: Applicants must apply to the Graduate College for admission to the Urbanism concentration program under the Ph.D. in Public Administration degree and meet the Graduate College criteria as well as PhD program criteria for admission. The successful candidate for admission to the Ph.D. degree has a Master of Public Administration or Master of Public Policy degree. The additional expectation for admission to the concentration is a strong interest in urban affairs as indicated in the applicant's written statement of educational and career goals.

Applicants are admitted for Fall only. Admission is competitive; a limited number of well-qualified applicants will be admitted each year. A completed application packet is due by January 15.

All applicants must submit the following materials to the ASU Graduate College:

An official ASU Graduate application online <http://www.asu.edu/gradapp>
Application fee
Official transcripts of all undergraduate and graduate work

Send transcripts to:
Arizona State University
Graduate College Admissions
Interdisciplinary Building, B-Wing, Room 170
PO Box 871003
Tempe, Arizona 85287-1003

Scores on the GRE (verbal, quantitative, analytical)

International students must submit TOEFL and TSE scores to be considered for admission. This is true even for those who have a master's degree from a United States university. To be considered for admission, the minimum score on the traditional TOEFL test is 600. Applicants with TOEFL scores below 600 or who do not submit a TSE score (or TOEFL iBT) will not be admitted. Only test scores from within the past 5 years will be accepted.

In addition to the above, applicants submit the following materials directly to the School of Public Affairs:

A written statement of educational and career goals indicating a strong interest in urbanism.
A current resume or vitae.
Three letters of recommendation. These should be primarily academic letters - all letters should address the candidate's capacity to successfully complete the doctoral program. They should assess the student's capacity for critical and analytic thought, their ability to communicate effectively, both orally and in writing, and their commitment to completion of the program.
Samples of research reports and/or papers (optional).

Mail materials to:
ASU School of Public Affairs
Mail Code 3720
411 N. Central Avenue, Ste. 450
Phoenix, AZ 85004-0687

Public Policy (MPP) PPPUBPMPP

COLLEGE OF PUBLIC PROGRAMS, DTPHX

Contact: <http://spa.asu.edu/mpp> | spa@asu.edu | UCENT 450 | 6024960450 | 3720

Official Degree Awarded: Public Policy (MPP)

Program Description: The Master of Public Policy (MPP) program allows students to approach the study of public policy with a focus on public policy in the urban setting. The MPP program prepares students for professional careers as policy analysts and leaders in public service involved in the formulation, approval, implementation, and evaluation of public policy at all levels of government and in the private and nonprofit sectors. It can also serve as a platform for preparation for doctoral studies in public policy, public administration, urban studies, or other related programs.

Students learn analytical techniques and conceptual frameworks for understanding policy issues and identifying potential solutions and applying these skills to real-world issues (especially relating to the needs of cities in the region). Students also gain an understanding of policies addressing issues such as poverty, education, the environment, and public safety.

Program Requirements: Course work for the Master of Public Policy program requires a minimum of 42 semester hours, including 11 required core courses and three elective courses. Students can elect to take either PAF 571 GIS and Analysis or PAF 572 Urban Demography as one of their core courses. The course not used for the core may be used as an elective. Students are required to complete a three-semester hour Capstone course which will be an integrative, client-based applied project course. Students take this in their final semester after completion of all other required core courses. This culminating experience is required in place of a thesis.

Admission Requirements: Applications to the MPP program are accepted year-round. Students may be granted admission for fall, spring, and summer semesters. Potential applicants who hold a bachelor's degree from a regionally accredited institution in a related field are eligible to apply to the program.

The following entry-level competencies are needed for admission to the program: an undergraduate social statistics course along with undergraduate course work in microeconomics, including coverage of market failure and public goods. Competency in statistics is met with a grade of "B" or higher in approved courses (PAF 401, POS 401, PSY 230, QBA 221, SOC 390) within the past two years or passing a diagnostic test approved by the MPP Committee. Other courses taken within the last two years may be substituted upon approval of the director of graduate studies. Competency in microeconomics is met through PAF 504 Public Affairs Economics or a similar course.

Recreation and Tourism Studies (MS) PPRECDTMS

COLLEGE OF PUBLIC PROGRAMS, DTPHX

Contact: <http://scred.asu.edu> | scred@asu.edu | UCENT 550 | 6024960550 | 3720

Official Degree Awarded: MS Recreation and Tourism Studies

Program Description: The faculty in the School of Community Resources and Development (Downtown Phoenix campus) and the faculty in the Department of Recreation and Tourism Management (West campus) jointly offer a program leading to the MS degree in Recreation and Tourism Studies. The MS degree program prepares students to analyze and understand critical topics and issues pertinent to the field of recreation, parks, and tourism planning, development and management.

Students choose between two academic options: the thesis or the professional option.

Program Requirements: Completion of the MS degree in Recreation and Tourism Studies on the average requires two years of study. Students may select a thesis or professional option. The thesis option is a research-oriented degree and is recommended for students planning to continue graduate studies beyond the master's degree. The professional option is intended for students seeking additional knowledge and expertise relevant to professional career development. Advising and direction in both options are under the direct supervision of an assigned faculty member.

Program Requirements: Thesis Option

The thesis option consists of a minimum of 30 semester hours. The 30 semester hours include six hours of thesis (REC 599), which must be defended in an oral examination before a supervisory committee of at least three faculty members, one of which resides in another department.

REC 500 Research Methods (3)
REC 502 Statistical and Data Analysis (3)
REC 552 Critical Issues in Recreation and Tourism (3)
REC 555 Social Scientific Perspectives in Recreation and Tourism (3)
Advanced inquiry skills (3)
Electives (9)
Thesis (6)

Total minimum semester hours required 30

Program Requirements: Professional Option

The professional option consists of 36 semester hours, including six hours of practicum (REC 580). A signed affiliation agreement is required to be on file with the graduate coordinator before registration. The purpose of the 300-hour practicum is to provide graduate students with in-depth agency-based professional experiences. The student committee consists of two school faculty members and one community/agency professional. At the end of the practicum, the student is required to submit a written description and analysis of the project and to present the results to the committee.

REC 500 Research Methods (3)
REC 502 Statistical and Data Analysis (3)
REC 530 Recreation and Tourism Service Management (3)
REC 552 Critical Issues in Recreation and Tourism (3)
REC 555 Social Scientific Perspectives in Recreation and Tourism (3)
REC 580 Practicum (6)
Electives (15)

Total minimum semester hours required 36

Admission Requirements: Students applying to the MS program must have achieved a GPA of 3.00 or the equivalent in the last two years of work leading to the bachelor's degree. Applicants should submit their application, application fee, all undergraduate transcripts, Graduate Record Examination (or Miller's Analogy Test) scores, a statement of professional and academic goals, and three letters of recommendation to the Graduate College by March 1 to be considered for fall admission. They should submit a current resume, a statement of professional and academic goals and three letters of recommendation to the Graduate Program Coordinator also by March 1. Only complete application files are reviewed or considered for admission. Students without undergraduate academic work in the recreation/tourism disciplines are required to take six semester hours of deficiency course work in addition to the MS degree requirements. Deficiency course work may be taken in conjunction with MS degree classes.

Trauma and Bereavement (ct) HSCTBGRCT

COLLEGE OF PUBLIC PROGRAMS, DTPHX

Contact: <http://ssw.asu.edu> | social.work@asu.edu | UCENT 800 | 6024960800 | 3720

Official Degree Awarded: CERT Trauma and Bereavement (certificate)

Trauma and Bereavement (CT)

Tucson / Downtown Phoenix / West Campus - Social Work - Standard Program (MSW) PPSWDMSW

COLLEGE OF PUBLIC PROGRAMS, WEST

Contact: <http://sww.asu.edu/> | social.work@asu.edu | ASU DOWNTOWN UCEN 800 | 6024960800 | 3920

At the outset of the 2008-09 academic year, this degree was offered by the College of Human Services on ASU's West campus. As a result of the academic reorganization that occurred during the 2008-09 academic year, this degree program was moved to the College of Public Programs at the West campus.

Official Degree Awarded: Social Work (MSW)

Program Description: The professional program leading to the Master of Social Work (MSW) degree prepares social workers for advanced direct practice or planning, administration, and community practice. The program is designed to prepare social workers to be capable of responding effectively to the needs of special populations in the Southwest. The MSW degree program is accredited by the Council on Social Work Education.

Program Requirements: Students begin the Standard MSW Program in the fall. It is divided into a foundation year (core curriculum) and a concentration year. In the concentration year, students pursue a concentration in either (1) Advanced Direct Practice, or (2) Planning, Administration and Community Practice.

The planning, administration and community practice courses are generally not offered in Tucson. Students who select the Advanced Direct Practice Concentration also select one of the following three specializations: (1) Children, Youth and Families, (2) Health, Behavioral Health or (3) Public Child Welfare. All specializations may not be available in Tucson. During both years, students spend two days a week in a practicum setting.

The following foundation courses are required:

- D SWG 501 Micro Human Behavior in the Social Environment (3)
- D SWG 502 Macro Human Behavior in the Social Environment (3)
- D SWG 510 Foundation Practice I (3)
- D SWG 511 Foundation Practice II (3)
- D SWG 519 Research Methods in Social Work (3)
- D SWG 531 Social Policy and Services I (3)
- D SWG 533 Diversity and Oppression in a Social Work Context (3)
- D SWG 541 Field Practicum I (3)
- D SWG 542 Field Practicum II (3)
- D SWG 585 Macro Social Work Practice (3)

Total 30

The following concentration courses are required for the Planning, Administration and Community Practice concentration:

- D SWG 623 Agency and Community-Based Research in Social Work (3)
- D SWG 632 Social Policy and Services II (3)
- D SWG 643 Advanced Practicum: Planning, Social Work Administration and Community Practice I (3)
- D SWG 644 Advanced Practicum: Planning, Social Work Administration and Community Practice II (3)

D SWG 681 Social Work Administration (3)
D SWG 682 Community Participation Strategies (3)
D SWG 685 Program Planning in Social Services (3)
Electives: Nine hours

Total 30

Elective credit may be selected from offerings at the School of Social Work or courses offered through other departments with the approval of the MSW program coordinator.

The Advanced Direct Practice Concentration requires completion of one of the following three groups of required specialization courses.

Children, Youth and Families

D SWG 606 Assessment of Mental Disorders (3)
D SWG 608 Ecological Approach to Practice with Children, Youth and Families (3)
D SWG 619 Practice-Oriented Research (3)
D SWG 617 Advanced Social Work Practice with Children and Adolescents (3)
D SWG 621 Integrative Seminar
D SWG 641 Advanced Practicum: Direct Practice I (3)
D SWG 642 Advanced Practicum: Direct Practice II (3)
Electives: Nine hours. Two electives must be from an approved list of electives.

Total 30

Health, Behavioral Health

D SWG 603 Practice in Health/Behavioral Health Settings (3)
D SWG 606 Assessment of Mental Disorders (3)
D SWG 619 Practice-Oriented Research (3)
D SWG 621 Integrative Seminar (3)
D SWG 641 Advanced Practicum: Direct Practice I (3)
D SWG 642 Advanced Practicum: Direct Practice II (3)

Choose one of the following courses

D SWG 604 Advanced Social Work Practice in Health (3)
D SWG 613 Advanced Social Work Practice in Behavioral Health (3)
Electives: Nine hours. Two electives must be from an approved list of electives.

Total 30

Public Child Welfare

D SWG 606 Assessment of Mental Disorders (3)
D SWG 608 Ecological Approach to Practice with Children, Youth and Families (3)
D SWG 609 Advanced Social Work Practice with Child Welfare Families (3)
D SWG 619 Practice-Oriented Research (3)
D SWG 621 Integrative Seminar (3)
D SWG 633 Child Welfare Services (3)
D SWG 641 Advanced Practicum: Direct Practice I (3)

D SWG 642 Advanced Practicum: Direct Practice II (3)
Electives: Six hours. Which must be from an approved list of electives.

Total 30

Admission Requirements: Applicants must follow the procedures for admission to the Graduate College. Applications to the standard MSW program are accepted from November 1 to March 1, or for priority review by February 1, preceding the fall semester to which the applicant is seeking admissions. Applicants admitted to the standard MSW program begin classes in the fall.

All applicants for the standard MSW program must submit the following to the School of Social Work:

1. a School of Social Work application form;
2. a statement of educational and career goals;
3. a professional resume that includes volunteer and paid work experience; and
4. three letters of reference.

A combination of academic and professional references is desirable. References from friends, family members, or personal therapists are not accepted.

Test scores from either the Graduate Record Exam or the Miller Analogies test are required only if the applicant's GPA was below a 3.00 (on a 4.00 scale) during his or her junior and senior years. In addition, all applicants must submit to the Graduate College the following:

1. a completed graduate College application form
2. the application fee; and
3. an official transcript of all academic work completed or in progress.

The School of Social Work requires one of the following:

1. a liberal arts undergraduate degree;
2. a BSW from a Council on Social Work Education accredited school of social work; or
3. another undergraduate degree, with 30 semester hours in liberal arts courses at the undergraduate or graduate level.

The 30 semester hours describe in item 3 above must include course work from the social/behavioral sciences, natural sciences, and humanities. The distribution should approximate the current curriculum for the BSW program: 18 hours in social and behavioral sciences, six hours in natural sciences with at least one course in human biology, and six hours in humanities.

All students are required to successfully complete a course in human biology before enrollment in the graduate program. Additionally, all students must have successfully completed a course in statistics before admission. If the statistics requirement has not been met, then an equivalent course must be successfully completed either by December 31 or before registering for SWG 519.

Part-Time Program

Students are admitted each fall to a planned part-time program. Students interested in this option must specifically apply to the part-time program and complete it in accordance with the plan developed to finish the degree in three years.

Transfer Credit

Upon recommendation of the admissions committee, the first year of graduate study (up to 30 graduate semester hours) earned at another CSWE accredited school of social work may be transferred and applied toward the MSW degree at ASU. Under these circumstances, the student must complete the second full year of graduate study (at least 30 semester hours of graduate work) at ASU, resulting in a 60 hour program composed of the work from both schools. A full report from the school at which the intended transfer credit was obtained is required.

Nondegree Course Work

A maximum of nine graduate semester hours earned as a nondegree student in the ASU School of Social Work or six semester hours earned at another graduate degree program at ASU may be applied toward the program of study. A combination of credit earned as a nondegree student at ASU or transferred from another university may not exceed nine hours, and of those nine hours, no more than six hours may be electives. Consideration for acceptance of nondegree work must be applied for at the time of admission.

Exemption and Waiver Examinations

The number of hours required to complete the Standard MSW degree ranges from 45 to 60 credit hours. In addition to transferring in credit (see previous section on transfer credit), admitted students may acquire up to 15 hours of credit towards the degree by a combination of: (1) exempting up to fifteen hours of foundation course work without examination or (2) passing an examination in any of the following foundation courses: SWG 501, SWG 502, or SWG 519.

Exemptions. Only students with BSW degrees from CSWE accredited programs can be considered for exemptions. To be eligible for an exemption from any course, students must have received their BSW degree no more than five years prior to the date of admission. Students awarded a BSW degree by ASU are exempted from the courses listed below (if the GPA requirement is met). BSW students from other accredited programs may also be exempted from the same courses but must submit their course content material (course description, syllabus and outline) for an equivalency review. BSW students may be exempted from the following courses:

1. SWG 501, if the student completed SWU 301 prior to Fall 2007 and SWU 340 prior to Spring 2008 and completed both courses with an "A"; or if the student completed SWU 301 after Spring 2007 with an "A"; or completed an equivalent social work course(s);
2. SWG 502, if the student completed SWU 301 prior to Fall 2007 and SWU 340 prior to Spring 2008 and completed both courses with an "A"; or if the student completed SWU 340 after Fall 2007 with an "A"; or completed an equivalent social work course(s);
3. SWG 519, if the student has at least an "A" in SWU 320 or 420; or an equivalent social work course;
4. SWG 531, if the student has at least an "A" in SWU 171 and SWU 332 or 432; or an equivalent social work course;
5. SWG 533, if the student has at least an "A" in SWU 374 or 474; or an equivalent social work course.

Waiver Examinations. Students who believe they have successfully completed equivalent undergraduate courses or have related work experience covering content taught in the MSW courses listed below can request to take a written waiver examination.

SWG 501 Human Behavior in the Soc Envir I (3)
SWG 502 Human Behavior in the Soc Envir II (3)
SWG 519 Research Methods in Social Work (3)

Academic Standing and Curriculum Sequencing

In order to remain in good academic standing, the student must maintain an overall GPA of 3.00 at the end of each semester. Most courses in the program are sequential; successful completion of the prior course in the sequence is required to enroll in the following courses.

West Campus - Social Work - Advanced Standing (MSW) PPASWMSW

COLLEGE OF PUBLIC PROGRAMS, WEST

Contact: <http://ssw.asu.edu> | social.work@asu.edu | UCENT 800 | 602/496-0800 | 3251

At the outset of the 2008-09 academic year, this degree was offered by the College of Human Services on ASU's West campus. As a result of the academic reorganization that occurred during the 2008-09 academic year, this degree program was moved to the College of Public Programs at the West campus.

Official Degree Awarded: Social Work - Advanced Standing (MSW)

Program Description: The Social Work program at the West campus is designed to meet the needs of traditional and nontraditional students with flexible class scheduling, a variety of internships, and close mentoring relationships with faculty. This student-centered program offers a strong practice oriented approach to social work. Program graduates are able to find meaningful employment in a variety of settings. The social work program is fully accredited by the Council on Social Work Education.

Program Requirements:

Admission Requirements: Eligibility requires the applicant to have received a BSW from a CSWE accredited program within six years of the semester one is planning to begin studies (e.g., for 2008, the BSW date would be May or August, 2002) with a cumulative GPA of 3.00 for all Social Work courses. Social Work related experience (paid or volunteer) is highly desirable. Some applicants to the advanced standing program who are not offered admission to that program may be offered the option of admission into their choice of either of the two standard programs.

Application materials from the ASU Graduate College and the department of Social Work on the West campus are generally available online after September 1 of the year preceding your desired admission date. Application to the Social Work graduate program is a two-part parallel process requiring all applicants to:

- Submit a completed online application to the Graduate College and;
- A completed online Social Work application. This application will require an applicant to designate the specific program for which they are seeking admission: AS/FT, AS/PT, Standard/2 or Standard/3;
- As part of the Social Work application, applicants must submit a personal statement online; and
- At least three letters of reference.

SUSTAINABILITY, SCHOOL OF

Sustainability (MA) SUSUSTMA

SCHOOL OF SUSTAINABILITY, TEMPE

Contact: <http://schoolofsustainability.asu.edu/> | schoolofsustainability@asu.edu | GIOS 108 | 4807276963 | 3211

Official Degree Awarded: Sustainability (MA)

Program Description: The Master of Arts (MA) in Sustainability is offered for students who have completed a bachelor's degree. The degree requirement is 33 semester hours of work beyond the bachelor's level. The program prepares students to address some of the most pressing concerns of the 21st century. Students learn how different disciplines view and approach the challenges of sustainability in theory, in research, and in practice. They develop the academic and technical skills and the ethical insights that will help them understand, research, and provide solutions to complex sustainability challenges at the local, regional, national, and global levels. Although the graduate-degree programs emphasize the integration of a broad range of expertise in student training, the MA degree (vs. the MS) is best suited to students inclined towards social sciences, humanities, planning, or related fields.

All sustainability graduate students will possess:

1. the breadth of vision to recognize the interconnectedness of social, economic, and environmental systems;
2. the critical thinking skills to approach sustainability challenges from a systems perspective;
3. the technical skills to formulate and solve problems at the appropriate scale;
4. an understanding of the need for an interdisciplinary approach to solving sustainability challenges;
5. the skills needed to work effectively in interdisciplinary teams; and
6. the ability to communicate their work to professionals in other disciplines, policy-makers, and the general public.

In addition to the common learning outcomes, MA students will be able to:

1. understand the concepts and methods of environmental economics, sociology, anthropology, environmental politics, ethics, design, and human geography relevant to the sustainability of environmental resources and social institutions;
2. lead others in applying these concepts and methods to the development of sustainable institutions for water, land, air, and urban management at the local and global level;
3. apply appropriate metrics and indicators to evaluate the sustainability of environmental institutions, legal frameworks, property rights, and culture; and
4. research particular problems in the sustainability of social institutions.

Program Requirements: This degree program requires 33 credit hours. Each student will formulate a program of study in consultation with their supervisory committee. The master's programs are divided into the following four areas: core courses, problem-focused seminars and workshops, required research (for the thesis option), and elective courses. The taught-course element of the program will be evaluated through course-specific examinations, research papers and/or applied projects, and will be considered to have been successfully completed if the student obtains a GPA of 3.25 or higher. The Graduate College policies and procedures for admission to the program and for fulfillment of degree requirements must also be met.

Admission Requirements: The School of Sustainability encourages applicants with diverse educational backgrounds and experience that are relevant to the school's core objectives. In addition to the general requirements for admission to the Graduate College, the School of Sustainability requires graduate applicants to provide Graduate Record Examination scores, a statement of intent, and three letters of recommendation. The statement of intent should not exceed 600 words and should:

1. explain why the student is applying to the School of Sustainability;
2. outline the student's relevant background information;
3. describe the outcomes expected from the program;
4. identify potential faculty advisors and areas of research/study; and
5. elaborate on how the degree will support the student's aspirations and goals.

Sustainability (MS) SUSUSTMS

SCHOOL OF SUSTAINABILITY, TEMPE

Contact: <http://schoolofsustainability.asu.edu/> | schoolofsustainability@asu.edu | GIOS 108 | 4807276963 | 3211

Official Degree Awarded: Sustainability (MS)

Program Description: The Master of Science (MS) in Sustainability is offered for students who have completed a bachelor's degree. The degree requirement is 33 semester hours of work beyond the bachelor's level. The program prepares students to address some of the most pressing concerns of the 21st century. Students learn how different disciplines view and approach the challenges of sustainability in theory, in research, and in practice. They develop the academic and technical skills as well as the ethical insights that will help them understand, research, and provide solutions to complex sustainability challenges at the local, regional, national, and global levels. Although the graduate-degree programs emphasize the integration of a broad range of expertise in student training, the MS degree (vs. the MA) is best suited to students inclined towards natural sciences or engineering.

All sustainability graduate students will possess:

1. the breadth of vision to recognize the interconnectedness of social, economic, and environmental systems;
2. the critical thinking skills to approach sustainability challenges from a systems perspective;
3. the technical skills to formulate and solve problems at the appropriate scale;
4. an understanding of the need for an interdisciplinary approach to solving sustainability challenges;
5. the skills needed to work effectively in interdisciplinary teams; and
6. the ability to communicate their work to professionals in other disciplines, policy-makers, and the general public.

In addition to the common learning outcomes, MS students will be able to:

1. understand the concepts and methods of environmental economics, ecology, environmental biology, hydrology, environmental chemistry, engineering, earth systems management, and other disciplines relevant to the sustainable use of environmental resources;
2. lead others in applying these concepts and methods to the development of sustainable strategies for water, land, air, and urban management at the local and global level;
3. apply appropriate metrics and indicators to evaluate the sustainability of technology, the built environment, and their environmental regulations, and policy; and
4. research particular problems in the sustainability of the economic and natural environment.

Program Requirements: This degree program requires 33 credit hours. Each student will formulate a program of study in consultation with their supervisory committee. The master's programs are divided into the following four areas: core courses, problem-focused seminars and workshops, required research (for the thesis option), and elective courses. The taught-course element of the program will be evaluated through course-specific examinations, research papers and/or applied projects, and will be considered to have been successfully completed if the student obtains a GPA of 3.25 or higher. The Graduate College policies and procedures for admission to the program and for fulfillment of degree requirements must also be met.

Admission Requirements: The School of Sustainability encourages applicants with diverse educational backgrounds and experience that are relevant to the school's core objectives. In addition to the general requirements for admission to the Graduate College, the School of Sustainability requires graduate applicants to provide Graduate Record Examination scores, a statement of intent, and three letters of recommendation. The statement of intent should not exceed 600 words and should:

1. explain why the student is applying to the School of Sustainability;
2. outline the student's relevant background information;
3. describe the outcomes expected from the program;
4. identify potential faculty advisors and areas of research/study; and
5. elaborate on how the degree will support the student's aspirations and goals.

Sustainability (PhD) SUSUSTPHD

SCHOOL OF SUSTAINABILITY, TEMPE

Contact: <http://schoolofsustainability.asu.edu/> | schoolofsustainability@asu.edu | GIOS 108 | 4807276963 | 3211

Official Degree Awarded: Sustainability (PhD)

Program Description: The PhD in Sustainability is offered for students who have completed a bachelor's or master's degree. The degree requirement is 84 semester hours of work beyond the bachelor's level. The doctoral program prepares students to become scientists and leaders in research to investigate the urgent sustainability challenges of the 21st century. PhD graduates will possess an advanced understanding of the dynamics of coupled socio-ecological systems and be able to lead others in research providing adaptive solutions to specific sustainability challenges. The flexible, interdisciplinary nature of the program allows students to focus on problems of interest to them, drawing upon relevant knowledge from a variety of disciplines.

All sustainability graduate students will possess:

1. the breadth of vision to recognize the interconnectedness of social, economic, and environmental systems;
2. the critical thinking skills to approach sustainability challenges from a systems perspective;

3. the technical skills to formulate and solve problems at the appropriate scale;
4. an understanding of the need for an interdisciplinary approach to solving sustainability challenges;
5. the skills needed to work effectively in interdisciplinary teams; and
6. the ability to communicate their work to professionals in other disciplines, policy-makers, and the general public.

In addition to the common learning outcomes, PhD students will be able to:

1. understand the concepts and methods of a number of critical disciplines bearing on the sustainability of systems at different spatial/temporal scales;
2. lead others in applying these concepts and methods to the development of sustainable strategies for water, land, air, and urban management at the local and global level;
3. lead others in the analysis and design of the built environment and institutions' policies, regulations, and technologies to support sustainable development; and
4. conduct research on particular sustainability challenges using standard skills, including the capacity to: identify problems; to formulate and test hypotheses; to use statistical, econometric, and geographical-information-system techniques to construct and analyze datasets; and build and apply models.

Program Requirements: Students may be admitted to the program with a bachelor's or master's degree from relevant fields. Up to 30 semester hours of master's-level work in a related field can be accepted toward the fulfillment of the PhD requirements. Each student formulates a program of study in consultation with his or her supervisory committee. The doctoral program is divided into the following four areas: core courses, problem-focused seminars and workshops, required research, and elective courses. Each program of study must include 24 semester hours of a combination of research and dissertation. The taught-course element of the program will be evaluated through course-specific examinations, research papers and/or applied projects, and will be considered to have been successfully completed if the student obtains a GPA of 3.25 or higher. Graduate College policies and procedures for admission to the program and fulfillment of degree requirements must also be met.

Admission Requirements: The School of Sustainability encourages applicants with diverse educational backgrounds and experience that are relevant to the school's core objectives. In addition to the general requirements for admission to the Graduate College, the School of Sustainability requires graduate applicants to provide Graduate Record Examination scores, a statement of intent, and three letters of recommendation. The statement of intent should not exceed 600 words and should:

1. explain why the student is applying to the School of Sustainability;
2. outline the student's relevant background information;
3. describe the outcomes expected from the program;
4. Identify potential faculty advisors and areas of research/study; and
5. elaborate on how the degree will support the student's aspirations and goals.

TEACHER EDUCATION AND LEADERSHIP, COLLEGE OF

Early Childhood Education - West Campus (MEd) TEECDMED

COLLEGE OF TEACHER EDUCATION AND LEADERSHIP, WEST

Contact: <http://www.ctel.asu.edu/programs/> | Nancy.Perry@asu.edu | FAB S214 | 602.543.6371 | 3151

Official Degree Awarded: Curriculum and Instruction (Early Childhood Education) (MEd)

Program Description: Early Childhood Education - West campus (MEd)

Educational Administration and Supervision - Principalship (MEd)

TEPRINMED

COLLEGE OF TEACHER EDUCATION AND LEADERSHIP, WEST

Contact: <http://www.west.asu.edu/ctel/graduate/gadmin.htm> | ctelgrad@asu.edu | FAB S236 | 6025433634 | 3151

Official Degree Awarded: Educational Administration and Supervision (Principalship) (MEd)

Program Description: The MEd in Educational Administration and Supervision with a concentration in Principalship is designed to lead towards the Arizona Principal Certificate Prekindergarten-12. Principalship specialization is based on the Interstate School Leaders Licensure Consortium (ISLLC) Standards. Students completing the program (including the internship) and providing evidence of three years of K-12 teaching experience may obtain an Institutional Recommendation (IR) to expedite their certification as principals.

Program Requirements: This program requires 36 credit hours. Students in the Master of Education in Educational Administration and Supervision program complete core requirements (nine semester hours), program requirements (six semester hours), and concentration requirements (21 to 30 semester hours). A written comprehensive exam is required.

Admission Requirements: All requirements of the ASU Graduate College; three letters from professional references; résumé; two-page personal statement describing professional goals. In most classes, students work with a school principal (or in the superintendency program, a superintendent) in order to provide for the application of knowledge in real world settings. It is wise to obtain one of your recommendations from the principal you plan to work with to demonstrate your supervisor's judgment as to your potential as an administrator. Graduate Records Examination scores are not required for admission.

Educational Administration and Supervision - Supervision (MEd)

TESPRVIMED

COLLEGE OF TEACHER EDUCATION AND LEADERSHIP, WEST

Contact: <http://ctel.asu.edu/programs/> | ctelgrad@asu.edu | FAB S236 | 6025433634 | 3151

Official Degree Awarded: Educational Administration and Supervision (Supervision) (MEd)

Program Description: This degree is intended for teacher leaders desiring Arizona State certification for supervisory positions. For teachers who want to learn leadership skills and work with other teachers on improving instruction, but do not necessarily want to become a principal. This concentration leads to Arizona Supervisor Certification.

Program Requirements: This program requires 36 credit hours. Students in the Master of Education in Educational Administration and Supervision program complete core requirements (nine semester hours), program requirements (six semester hours), and concentration requirements (21 to 30 semester hours). An applied project (electronic portfolio) is required.

Admission Requirements: All requirements of the ASU Graduate College; three letters from professional references; résumé; two-page personal statement describing professional goals. In most classes, students work with a school principal (or in the superintendency program, a superintendent) in order to provide for the application of knowledge in real world settings. It is wise to obtain one of your recommendations from the principal you plan to work with to demonstrate your supervisor's judgment as to your potential as an administrator. Graduate Records Examination scores are not required for admission.

Educational Leadership and Innovation - Policy/Admin (EdD) TEINNPAEDD

COLLEGE OF TEACHER EDUCATION AND LEADERSHIP, WEST

Contact: <http://ctel.asu.edu/programs/> | CTELgrad@asu.edu | ASU West FAB S220 | 6025433634 | 3151

Official Degree Awarded: Leadership and Innovation (Policy and Administration) (EdD)

Program Description: The Ed.D. in Leadership and Innovation is open to students who have a master's degree in education or a closely-related field. It is a cohort program designed to equip educational leaders, innovators and scholars with deep

understanding, dispositions and skills to lead change and examine its impacts in the workplace. Courses are designed to meet the needs of working professionals integrating face-to-face and online learning.

Program Requirements: This program requires 90 credit hours, including a master's degree. Professional core, 12 hours; research core, nine hours; electives, 18 hours; participation in Leader Scholar Communities(directed field-based studies), nine hours; comprehensive examination; Dissertation, 12 hours.

Admission Requirements: All requirements of the ASU Graduate College plus a Master's degree in education or a related field from a regionally accredited institution; three letters from professional references; résumé; two-page personal statement describing professional goals.

Educational Leadership and Innovation - Teaching (EdD) TEINTEEDD

COLLEGE OF TEACHER EDUCATION AND LEADERSHIP, WEST

Contact: <http://ctel.asu.edu/programs/> | CTELgrad@asu.edu | ASU West FAB S220 | 6025433634 | 3151

Official Degree Awarded: Leadership and Innovation (Teaching) (EdD)

Program Description: The Ed.D. in Leadership and Innovation is open to students who have a master's degree in education or a closely-related field. It is a cohort program designed to equip educational leaders, innovators and scholars with the deep understanding, dispositions and skills to lead change and examine its impact in the workplace. Courses are designed to meet the needs of working professionals integrating face-to-face and online learning.

Program Requirements: This program requires 90 credit hours including a master's degree. Professional core, 12 hours; research core, nine hours; electives, 18 hours; participation in Leader Scholar Communities (directed field-based studies), nine hours; comprehensive examination, 12 hours.

Admission Requirements: All requirements of the ASU Graduate College plus a Master's degree in education or a related field from a regionally accredited institution; three letters from professional references; résumé; two-page personal statement describing professional goals.

Elementary Education (Content Academy) (MEd) TECONTMED

COLLEGE OF TEACHER EDUCATION AND LEADERSHIP, WEST

Contact: <http://ctel.asu.edu/programs/> | ctelgrad@asu.edu | 6025433634 | 3151

Official Degree Awarded: Elementary Education (Content Academy) (MEd)

Program Description: The master's degree in Elementary Education with Content Academy specialization is available only for students in districts with a Professional Development Partnership Agreement with the College of Teacher Education and Leadership at ASU's West campus. The Content Academies focus on reading, mathematics, and science for primary, intermediate, and middle school levels. The Content Academies are 80% content and 20% pedagogy. Courses are taught via distance learning.

Program Requirements: "Students must complete a total of 33 credit hours to complete the M.Ed. and 36 hours to complete both the M.Ed. and meet requirements for highly qualified status. The master's requirements include: nine hours M.Ed. core; three hours of elementary or early childhood education; and 21 hours of Content Academy options. A comprehensive examination completes the master's program. Three additional content academy credits (for a total of 24) will satisfy the requirements for high qualified status."

Admission Requirements: Applicants must apply to the ASU Graduate College and to the specific program and concentration to which they seek admission. Admission to a degree program is based on undergraduate and/or graduate GPAs. Also considered are letters of recommendation, personal statements, work and academic experiences, and the availability of faculty to supervise academic areas of interest. Applicants to the elementary or secondary programs must hold valid Arizona teaching certificates for those grade levels unless they are pursuing an MEd with certification.

Elementary Education (Ed Technology) (MEd) TEEDTECMED

COLLEGE OF TEACHER EDUCATION AND LEADERSHIP, WEST

Contact: <http://ctel.asu.edu/programs> | CTELquestions@asu.edu | FAB Second Floor | 602/543-3658 | 3151

Official Degree Awarded: Elementary Education (Educational Technology) (MEd)

Program Description: The master's degree in Elementary Education with a specialization in Educational Technology is designed to serve classroom teachers and computer specialists. The program leads toward an Arizona state endorsement in computer science, but it does not fulfill all credit hour requirements for this endorsement.

Program Requirements: Key International Society for Technology in Education (ISTE) standards are incorporated into the coursework. Students must complete a total of 33 credit hours consisting of: nine hours of M.Ed. core; three hours of elementary or early childhood education; 21 hours of EDT courses including an Applied Project.

Admission Requirements: Applicants must apply to the ASU Graduate College and to the specific program and concentration to which they seek admission. Admission to a degree program is based on undergraduate and/or graduate GPAs. Also considered are letters of recommendation, personal statements, work and academic experiences, and the availability of faculty to supervise academic areas of interest. Applicants to the elementary or secondary programs must hold valid Arizona teaching certificates for those grade levels unless they are pursuing an MEd with certification.

Elementary Education (Reading) (MEd) TERDGMED

COLLEGE OF TEACHER EDUCATION AND LEADERSHIP, WEST

Contact: <http://ctel.asu.edu/programs/> | ctelgrad@asu.edu | 6025433634 | 3151

Official Degree Awarded: Elementary Education (Reading) (MEd)

Program Description: The master's degree in Elementary Education with a specialization in Reading is designed to assist practicing teachers acquire the knowledge base and skills necessary to develop and provide the most current instructional methods and materials for their students. The emphasis of the program is on practical classroom applications that are based on the latest theory, research, and best current practice. The program leads toward an Arizona state endorsement as a Reading Specialist.

Program Requirements: Students must complete a total of 33 credit hours consisting of: nine hours of M.Ed. core; three hours of elementary or early childhood education; nine hours of RDG core; six hours of RDG elective; and six hours of electives. RDG 505 is a prerequisite for RDG 556 and RDG 550 and is offered each fall. A comprehensive examination completes the program.

Admission Requirements: Applicants must apply to the ASU Graduate College and to the specific program and concentration to which they seek admission. Admission to a degree program is based on undergraduate and/or graduate GPAs. Also considered are letters of recommendation, personal statements, work and academic experiences, and the availability of faculty to supervise academic areas of interest. Applicants to the elementary or secondary programs must hold valid Arizona teaching certificates for those grade levels unless they are pursuing an MEd with certification.

Elementary Education (General) (MEd) TEELEMMED

COLLEGE OF TEACHER EDUCATION AND LEADERSHIP, WEST

Contact: <http://ctel.asu.edu/programs> | ctelgrad@asu.edu | 6025433634 | 3151

Official Degree Awarded: Elementary Education (MEd)

Program Description: The master's degree in Elementary Education with a General specialization is designed to assist practicing teachers acquire the knowledge base and skills necessary to develop and provide the most current instructional methods and materials for their students. The program emphasizes practical classroom applications are based on the latest theory, research, and best current practice. A General program is designed with the assistance of a faculty advisor to meet the needs of a student's professional and career goals

Program Requirements: Students must complete a total of 45 credit hours consisting of: nine hours of M.Ed. core; three hours of elementary or early childhood education; 18 hours of electives; 15 hours of certification work. A comprehensive examination completes the program.

Admission Requirements: Applicants must apply to the ASU Graduate College and to the specific program and concentration to which they seek admission. Admission to a degree program is based on undergraduate and/or graduate GPAs. Also considered are letters of recommendation, personal statements, work and academic experiences, and the availability of faculty to supervise academic areas of interest. Applicants to the elementary or secondary programs must hold valid Arizona teaching certificates for those grade levels unless they are pursuing an MEd with certification.

Elementary Education (Teacher Certification Accelerated) (MEd) TEEEACLMED

COLLEGE OF TEACHER EDUCATION AND LEADERSHIP, WEST

Contact: <http://ctel.asu.edu/programs/> | ctelgrad@asu.edu | FAB 236 | 6025433634 | 3151

Official Degree Awarded: Elementary Education (Teacher Certification Accelerated) (MEd)

Program Description: Elementary Education (Teacher Certification Accelerated) (MEd)

Secondary Education (Educational Technology) (MEd) TESEDTCMED

COLLEGE OF TEACHER EDUCATION AND LEADERSHIP, WEST

Contact: <http://ctel.asu.edu/programs/> | barbara.giles@asu.edu | FAB Second Floor | 602/543-3658 | 3151

Official Degree Awarded: Secondary Education (Educational Technology) (MEd)

Program Description: This program advances the knowledge of the role of technology in education and the abilities to use technology to advance teaching and learning of practicing or future high school teachers, middle school teachers and computer specialists. Depending upon previous coursework and experience in this area this program's coursework may lead to the Arizona computer science endorsement.

Program Requirements: This program requires 33 credit hours and an applied project.

Admission Requirements: Applicants must apply to the ASU Graduate College and to the specific program and concentration where they seek admission.

Secondary Education (Teacher Certification) (MEd) TESCERTMED

COLLEGE OF TEACHER EDUCATION AND LEADERSHIP, WEST

Contact: <http://ctel.asu.edu/programs/> | CTELquestions@asu.edu | FAB Second Floor | 602/543-3658 | 3151

Official Degree Awarded: Secondary Education (Teacher Certification) (MEd)

Program Description: The master's degree in Secondary Education with Teacher Certification is a specialization designed for those with bachelor's degrees who wish to earn an MEd degree along with dual Arizona Certifications in K-12 Education and one through eight elementary education. In addition, students receive a mild cross-categorical endorsement and a provisional ESL endorsement. See, Arizona Department of Education requirements at <http://www.ade.state.az.us/certification/requirements>.

Program Requirements: The MEd in Special Education requires 36 semester hours and an applied project. Students must complete a total of 51 hours in order to receive Arizona certification. Course work includes:

MEd Core Classes:

nine hours (TEL 501, SPE 541, SPE 540)

Elementary Education Course:
three hours (EED 412)

ESL/BLE Course:
Six hours (BLE 520 and BLE 522)

A Reading Course:
three hours (RDG 531)

Special Education Courses:
15 hours (SPE 322, SPE 532, SPE 533, SPE 534, SPE 535)

Applied Project:
three hours (SPE 593)

Field Experience:
No credit hours (SPE 397, SPE 496)

Student Teaching:
12 hours (SPE 578)

Admission Requirements: Applicants must apply to the ASU Graduate College through the online application. Two types of prerequisites must be met

Content Mathematics:

Courses include MTE 180, MTE 181, or a course above MTE 180. Candidates may also have the math requirement waived by passing the Arizona Educator Proficiency Assessments subject knowledge examination for elementary education. Proof of a passing score must be provided before beginning the program.

Introductory Special Education Course Work:

SPE 222, SPE 311, or SPE 511.

Secondary Education (Reading) (MEd) TESERDGMED

COLLEGE OF TEACHER EDUCATION AND LEADERSHIP, WEST

Contact: <http://www.west.asu.edu/> | barbara.giles@asu.edu | West Campus FAB S231S | 602/543-6371 | 3151

Official Degree Awarded: Secondary Education (Reading) (MEd)

Program Description: This program advances the knowledge and skill of future high school or middle school teachers and is intended to meet Arizona's requirements for teacher certification. It is designed for those with bachelor's degrees and who have sufficient (generally 24 semester hours) content classes in one area (such as history, English, science, math, dramatic arts, etc.). The program leads to certification and an MEd degree.

Admission Requirements: Applicants must apply to the ASU Graduate College.

Secondary Education (Tailored) (MEd) TESECEDMED

COLLEGE OF TEACHER EDUCATION AND LEADERSHIP, WEST

Contact: <http://ctel.asu.edu/programs> | CTELquestions@asu.edu | FAB Second Floor | 602/543-6358 | 3151

Official Degree Awarded: Secondary Education (MEd)

Program Description: This program is tailor-made to meet the needs of practicing or future high school or middle school teachers. The five free electives can be used in a variety of ways that are chosen in consultation with an academic advisor. Typical configurations include content classes (such as history teachers taking history classes), educational technology, literacy and English as a Second Language courses. This tailor-made program is designed to help teachers advance their knowledge and skills to become well-rounded teachers. For teachers needing more course work in one content area, the electives may enable them to become highly qualified.

Program Requirements: This program requires 33 credit hours and an applied project.

Admission Requirements: Applicants must apply to the ASU Graduate College and to the specific program and concentration where they seek admission.

Special Education (Teacher Certification) (MEd) TESECRTMED

COLLEGE OF TEACHER EDUCATION AND LEADERSHIP, DTPHX

Contact: http://ctel.asu.edu/programs/special_ed/ | ctelgrad@asu.edu | FAB 2nd floor | 602/543-6358 | 3151

Official Degree Awarded: Special Education (Teacher Certification) (MEd)

Program Description: The Master's Degree in Special Education with Arizona certification is a specialization designed for those individuals with a bachelor's degree who want to earn an MEd degree along with dual Arizona certifications in K-12 Special Education and one-eight Elementary Education. Students also receive a Mild Cross-Categorical Endorsement and provisional ESL endorsement. See, Arizona Department of Education requirements at <http://www.ade.state.as.us/certification/requirements>.

Program Requirements: The MEd in Special Education requires 33 semester hours of course work and completion of an applied project. Students must complete 51 semester hours, however, in order to receive Arizona certification.

The 51 hours consists of:

MEd Core Courses: Nine hours of TEL 501, SPE 540 and SPE 541.

Elementary Education Courses: Three hours of EED 412.

ESL/BLE Courses: BLE 520 and BLE 522.

A Reading Course: RDG 531.

Special Education Courses: 15 hours of SPE 322, SPE 532, SPE 533, SPE 534 and SPE 535.

An Applied Project: Three hours of SPE 593.

Field Experience: SPE 397 and SPE 496 (no credit hours).

Student Teaching: SPE 578.

Admission Requirements: Applicants must submit a Graduate College online application. Two types of prerequisites must also be met:

Content Mathematics (e.g., MTE 189, MTE 181 or a higher level mathematics course). Students can have this requirement waived by completing the Arizona Educator Proficiency Assessments subject knowledge examination for Elementary Education. A passing score must be presented to the College of Teacher Education and Leadership office as proof before beginning the program.

Introductory Special Education Courses: These include SPE 222, SPE 311 and SPE 511.

TECHNOLOGY AND INNOVATION, COLLEGE OF

Aeronautical Engineering Technology (MSTech) TSARMSTECH

POLY

Contact: <http://poly.asu.edu/technology/mmet> | MMet@asu.edu | SIM 294 | 480/727-1584 | 0180

Official Degree Awarded: Technology (Aeronautical Engineering Technology) (MSTech)

Program Description: At the graduate level, the Mechanical and Manufacturing Engineering Technology Department offers a Master of Science in Technology (MSTech) degree with a concentration in aeronautical engineering technology.

This flexible degree program permits the student to develop a program of study, with faculty approval, to meet individual career goals. While the program is not an evening program, many courses are offered either during the late afternoon or early evening.

The program presupposes that the student has a sound technical undergraduate degree but not necessarily in aeronautical engineering. This degree concentration is designed to provide graduates with technical and professional skills that will facilitate preparation for, and advancement in, leadership positions in industry, education, government and military. Laboratories and classrooms are well equipped and the faculty members teaching the classes have relevant teaching, research, industry and training experience and background.

Research Activity

Department faculty are engaged in both theoretical and applied research projects, involving undergraduate and graduate students in aeronautical-related topic areas. Graduate students employed in local industry are encouraged to develop research topics that address problems of interest to their employers.

Current research interests of the faculty include modeling and simulation, "smart" materials, composite materials, hydrogen power and fuel cells and other alternative energy sources, optimization of turbine engines, machinability and manufacturing processes, manufacturing and program management, manufacturing cost economics, automation and design.

Applied research projects are carried out in a number of well-equipped laboratories and facilities: computer-aided design and computer-aided manufacturing laboratory, CNC-machining center laboratory, composite materials laboratory, energy conversion and combustion laboratory, automation laboratory, welding and casting laboratory, materials inspection and metrology laboratory and metallurgy/materials testing laboratory.

For more information on research areas and laboratories, please access the Department of Mechanical and Manufacturing Engineering Technology Web site.

Program Requirements: There are two basic options in the Master of Science in Technology degree program with a concentration in aeronautical engineering technology: Thesis and applied project. Both options require the completion of 33 semester hours. All course work applied toward the minimum 33 semester-hour total must be at the 400-level or higher with a minimum grade of "B" or higher. An oral defense of the written applied or research project (thesis) is required as the final examination in either option. This defense is typically done during the last semester of study. All course work outside the Department of Mechanical and Manufacturing Engineering Technology must be pre-approved and included in the program of study.

Thesis Option

In the thesis option, a minimum of 24 semester hours must be 500-level courses, allowing students to take up to nine semester hours of 400-level course work to broaden their technical knowledge within the technical concentration or the supporting area. The course work may be a combination of manufacturing, mechanical or aeronautical engineering technology courses or a limited number from outside the department. Students are required to complete six semester hours of AET 599 Thesis, write a thesis and present an oral defense.

Thesis Option Course Work Requirements:

Technical concentration area (18)

Supporting area (6)

Research methods courses:

MET 591 Research Seminar (1) and a research writing course (2)

AET 599 Thesis (6)

Total minimum semester hours: 33

Applied Project Option

In the applied project option, a minimum of 24 semester hours must be 500-level courses, allowing students to take up to nine semester hours of 400-level course work to broaden their technical knowledge within the technical concentration or the supporting area. The course work may be a combination of manufacturing, mechanical or aeronautical engineering technology courses or a limited number from outside the department. The applied project requires a supporting report; the project and report are defended in a final oral examination.

Applied Project Option Course Work Requirements:

Technical concentration area (18)

Supporting area (9)

Research methods courses:

MET 591 Research Seminar (1) and a research writing course (2)

AET 593 Applied Project (3)

Total minimum semester hours: 33

Admission Requirements: Applicants are expected to satisfy all requirements for admission to the Graduate College. In addition to the materials required by the Graduate College, applicants are required to provide a resume and statement of purpose to the department.

Recommendation letters are not required but up to two letters will be considered. Letters of recommendation may be helpful during the admission process if the candidate's qualifications are atypical or the letters provide information not typically addressed in the required admission materials listed above. Letters of recommendation should be sent directly to the department. For more information, please contact the department or the Graduate College.

Industrial experience beyond completion of a baccalaureate degree is recommended. Applicants with deficiencies in critical undergraduate technical subjects or those not meeting program prerequisites may be required to complete them before being admitted to the degree program.

Applicants who hold a bachelor's degree from a regionally-accredited U.S. institution are not required to take the GRE. Applicants holding a bachelor's degree from outside the U.S. should take the GRE. If English is not the applicant's native language, the TOEFL exam is required.

Aviation Management/Human Factors (MSTech) TSHFMSTECH

POLY

Contact: <http://eastair.poly.asu.edu/> | aerotech@asu.edu | SIM 201 | 480/727-1021 | 0180

Official Degree Awarded: Technology (Aviation Management and Human Factors) (MSTech)

Program Description: The Master of Science in Technology degree program offers a concentration in aviation management and human factors in the Department of Aeronautical Management Technology (AMT) within the College of Technology and Applied Sciences. The program focus is on preparing graduates for a career in the aviation industry or as the foundation for further advanced study. Courses are offered at the Polytechnic campus. Graduates of this program are provided with technical and professional skills for use in leadership positions in industry and education. The program is designed for flexibility, permitting the student to select a combination of courses in a technical area and supporting area to meet individual goals.

Program Requirements: The following are the core requirements for meeting the AMT department's goal to provide an in-depth research and statistics background early in the program as a foundation for the student's thesis or applied project. The comprehensive elective curriculum design will offer courses that reflect current and applied topics.

Core Requirements (12 semester hours for Thesis option and 9 semester hours for Applied Project option)

AMT 593 Applied Project (3) or AMT 599 Thesis (6)
ITM 549 Research Techniques and Applications or equivalent
PSY 530 Statistics or equivalent

Students have a choice of selecting a thesis option (12 semester hours of core courses plus 21 semester hours of selected course work) or an applied project option (nine semester hours of core courses plus 24 semester hours of selected course work). The detailed design of the graduate student's total program requirements (33 semester hours) with the selection of the required courses will be the responsibility of the student's Supervisory Committee Chair and committee members. The defining guideline for the AMT department will be to match the student's specific career goals and objectives, as well as a balanced curriculum that can be achieved in a reasonable time and in accordance with a known course-offering schedule. The flexibility of customizing the specific curriculum, which will involve the student taking almost one-half of the total courses, will not be at the discretion of the student, but rather at the discretion of the Supervisory Committee who will ensure a well-structured program of study with represented courses from across the curriculum.

Additional Requirements (21 semester hours for Thesis option and 24 semester hours for Applied Project option)

AMT 520 Airline Pricing and Yield Management
AMT 521 Air Transportation Regulations
AMT 522 Aviation Law
AMT 523 Intermodal Transportation Management (former Aviation Systems Management)
AMT 524 Airport Management Operations
AMT 525 Airport Planning and Design
AMT 526 Aviation Labor Relations
AMT 527 Airline Management Strategies
AMT 528 International Aviation
AMT 529 Fixed-Base Operations Management
AMT 532 Managing Diversity in Aviation
AMT 541 Aviation Physiology
AMT 542 Human Factors in Automation
AMT 545 Human Factors in Aviation
AMT 546 Crew Resource Management/LOFT
AMT 549 Applied Human Factors Research

All master's courses will be 500-level courses. A single course exception (400-level course) may be authorized with the consensus of the Supervisory Committee.

Admission Requirements: Admission to the Master of Science in Technology degree program requires the completion of all general admission requirements and procedures set forth by the Graduate College. The College of Technology and Innovation requires an appropriate baccalaureate degree from an accredited college or university, with a minimum of 30 semester hours in

technology or equivalent and 16 semester hours of physical science and mathematics appropriate to the program pursued. The specific requirements vary within each department. To be considered for admission, a 3.00 GPA is required.

Admission to the graduate degree program presupposes an adequate technical preparation in a selected technology at the undergraduate level. The applicant's past work and professional experience are also evaluated and taken into consideration when determining admission classification. Admission into the Master of Science in Technology degree program is based on a number of factors. These include, but are not limited to:

- undergraduate GPA,
- the TOEFL score for applicants whose native language is not English,
- references from individuals qualified to judge academic potential,
- statement of purpose,
- resume,
- likelihood for success,
- potential for successful placement, and
- the number of students currently enrolled in the program.

Computer Systems (MSTech) TSCOMSTECH

COLLEGE OF TECHNOLOGY AND INNOVATION, POLY

Contact: <http://poly.asu.edu/technology/dcst/Admission/graduate.html> | dcst@asu.edu | Sutton Hall 140L | 4807271257 | 180

Official Degree Awarded: Technology (Computer Systems) (MSTech)

Program Description: The Master of Science in Technology (MSTech) degree offered through the College of Technology and Innovation promotes greater depth of understanding in the chosen discipline. A minimum of 33 semester hours of graduate course work is required. The Division of Computing Studies supports the MSTech concentration in computer systems. The program is designed for sufficient flexibility to permit the student to select a combination of courses in a technical concentration and supporting area to meet individual career goals. The required research component provides students with an opportunity to develop research and application skills directly related to individual educational objectives. The graduate courses are designed to furnish students with technical and professional knowledge necessary for career advancement and positions of leadership in industry education, government and the military.

Program Requirements: The MSTech degree with a concentration in computer systems requires a minimum of 33 semester hours, including course work and research components. A maximum of three semester hours of CST 584 Supervised Internship or CST 590 Reading and Conference may be used to fulfill program requirements. Students may select the thesis option or nonthesis option. Specialization and supporting area course work are taken from the following four areas:

1. distributed and web-based applications,
2. embedded systems,
3. software systems and visualization, and
4. operating systems and networks.

Thesis Option

Specialization (15-16)

Supporting area (8-9)

Research methods courses (7-9):

CST 500 RM: Research/Writing (2)

CST 591 Seminar (1)

CST 599 Thesis (6)

Total minimum semester hours: 33

A minimum of 21 semester hours must be in 500-level courses, including CST 598 courses. At least nine semester hours of 500-level course work must be included in the primary technical specialization. Students may take up to 12 semester hours of 400-level course work to broaden their technical knowledge within the specialization or supporting areas. Thesis students are required to complete six semester hours of CST 599 Thesis, write a thesis, and make an oral defense. All course work applied toward the minimum 33 semester-hour total must be at the 400- and 500-level.

Nonthesis Option

Specialization (15-18)

Supporting area (9-12)

Research methods courses (4-6):

CST 500 RM: Research/Writing (2)

CST 591 Seminar (1)

CST 593 Applied Project (3)

Total minimum semester hours: 33

A minimum of 21 semester hours must be in 500-level courses, including CST 598 courses. At least nine semester hours of 500-level course work must be included in the primary technical specialization. Students may take up to 12 semester hours of 400-level course work to broaden their technical knowledge within the specialization or supporting areas. Thesis students are required to complete six semester hours of CST 599 Thesis, write a thesis, and make an oral defense. All course work applied toward the minimum 33 semester-hour total must be at the 400- and 500-level.

Admission Requirements: Applicants are expected to satisfy all requirements for admission to the Graduate College with high success in completing a bachelor's degree in computing. Excellent applicants with partial computing background may be admitted with undergraduate computing deficiencies that must be completed early in the graduate program. Applicants must submit scores for the Graduate Record Examination, including verbal, quantitative, and analytical. International applicants must submit results of the Test of English as a Foreign Language. Applicants for fall semester admission should submit all materials to the Graduate College by March 1 and applicants for spring semester should submit all admission materials by October 1.

Computing Studies - Polytechnic Campus (MCST) TSCOMP MCST

COLLEGE OF TECHNOLOGY AND INNOVATION, POLY

Contact: <http://poly.asu.edu/technology/dcst/Admission/graduate.html> | dcst@asu.edu | Poly ISTB3 103 | 4807271257 | 0180

Official Degree Awarded: Computing Studies (MCSt)

Program Description: The faculty of the Division of Computing Studies (DCS) offers the Master of Computing Studies (MCST) graduate degree program. This program prepares students with the technical and professional knowledge necessary for career advancement and positions of leadership in computing through challenging problem-based, laboratory-rich course work and an applied research component. Graduate students study in a variety of areas, including distributed and web-based applications, embedded systems, software systems, visualization and operating systems. Graduates of the MCST degree program may pursue advanced research degrees in the computing discipline, procure employment in one of the high growth and dynamic computing application areas or pursue careers in allied fields by leveraging computing interests in areas such as engineering, biology or business. In addition to academic credentials, DCS faculty have extensive industry experience.

Program Requirements: The program of study must contain a minimum of 33 semester hours of approved graduate-level course work. At least 18 of these semester hours must be 500-level courses (excluding CST 598 ST: Special Topics courses). A maximum of six semester hours may be taken at the 400-level. In keeping with the learning objectives of the Polytechnic campus, students must complete three semester hours of CST 584 Supervised Internship or three semester hours of CST 590 Reading and Conference to fulfill the degree requirements. Students must complete at least 12 semester hours in a primary area of specialization that is also used as the technical area for the research component. To promote breadth, MCST degree students must take a total of nine semester hours in at least two additional specialization areas distinct from the primary specialization area. Areas of specialization are:

1. distributed and web-based applications,

2. embedded systems,
3. software systems and visualization, and
4. operating systems and networks.

Thesis Option

Specialization (12)
 Supporting area (9)
 Research methods courses (12):
 CST 500 RM: Research/Writing (2)
 CST 584 Internship or CST 590 Reading and Conference (3)
 CST 591 Seminar (1)
 CST 599 Thesis (6)
 Total minimum semester hours: 33

Nonthesis Option

Specialization (15)
 Supporting area (9)
 Research methods courses (9):
 CST 500 RM: Research/Writing (2)
 CST 584 Internship or CST 590 Research and Conference (3)
 CST 591 Seminar (1)
 CST 593 Applied Project (3)
 Total minimum semester hours: 33

All MCST degree students must complete a combined three semester hours in CST 500 Seminar and CST 591 Research/Writing.

Admission Requirements: Applicants are expected to satisfy all requirements for admission to the Graduate College with high success in completing a bachelor's degree in computing. Excellent applicants with partial computing background may be admitted with undergraduate computing deficiencies that must be completed early in the graduate program. Applicants must submit scores for the Graduate Record Examination, including verbal, quantitative, and analytical. The subject test in computer science is not required. International applicants must submit results of the Test of English as a Foreign Language. Applicants for fall semester admission should submit all materials to the Graduate College by March 1 and applicants for spring semester should submit all admission materials by October 1.

Electronic Engineering Technology (Alt Energy Tech) (MSTECH)

TSATMSTECH

COLLEGE OF TECHNOLOGY AND INNOVATION, POLY

Contact: <http://www.poly.asu.edu/technology/esd> | esd@asu.edu | Technology Center, Room 101E | 480/727-1514 | 0180

Official Degree Awarded: Electrical Engineering Technology (Alternative Energy Technologies) (MSTech)

Program Description: The Master of Science in Technology (MSTech) degree with a concentration in alternative energy technologies explores the demands of energy resources in the new economy. This degree program is designed for sufficient flexibility to permit the student to select a combination of courses in a technical concentration, alternative energy technologies and supporting area to meet individual career goals. The research activities in the alternative energy technologies field include the use of energy sources such as solar, wind, ocean, geothermal and biomass. At the heart of the program is the concept of the solar-hydrogen cycle, a renewable energy scenario that comprises production of electricity from solar energy, and utilizing electricity to split water into its elemental parts. The required research provides students with an opportunity to develop special research and application skills directly related to individual needs and objectives in the field of alternative energy technologies.

Program Requirements:

Thesis Option:

Concentration (15-16)
Supporting Area (8-9)
Research Methods Courses:

EET 500 Research/Writing (2)
EET 591 Graduate Seminar (1)
EET 592 Research (3)
EET 599 Thesis (3)

Total minimum semester hours: 33

A minimum of 20 semester hours must be 500-level courses. At least nine hours of 500-level course work must be included in the technical concentration. Students may take up to nine semester hours of 400-level course work to broaden their technical knowledge within the concentration or supporting area. Students are required to complete three hours of EET 592 Research and three hours of EET 599 Thesis, write a thesis and make an oral defense. All course work applied toward the minimum 33 semester-hour total must be at the 400- and 500-level.

Nonthesis Option

Concentration (15-18)
Supporting Area (9-12)
Research Methods Courses:

EET 500 Research/Writing (2)
EET 591 Graduate Seminar (1)
EET 593 Project (3)

Total minimum semester hours: 33

Admission Requirements: Prerequisites: Applicants are required to have an earned baccalaureate degree that includes a minimum of 30 semester hours or equivalent in a technology area including course work applicable to the concentration being sought, and a minimum of 16 semester hours of mathematics and science. Depending upon the background of the student, the following information is necessary:

1. an application form,
2. application fee,
3. official transcripts from every college and university previously attended,
4. test score reports (TOEFL report may be necessary for international students). NOTE: The GRE is not required by the Department of Electronic Systems,
5. domicile affidavit (for applicants claiming Arizona residency), and
6. a financial guarantee form (required for international students). Visit the Graduate College Web site for more information.

**Electronic Engineering Technology (Integrated Electronic Sys) (MSTECH)
TSESMSTECH**

COLLEGE OF TECHNOLOGY AND INNOVATION, POLY

Contact: <http://www.poly.asu.edu/technology/esd/> | esd@asu.edu | Technology Center 101 | 480/727-1514 | 0180

Official Degree Awarded: Technology (Integrated Electronic Systems) (MSTech)

Program Description: The Master of Science in Technology (MSTech) degree with a concentration in integrated electronic systems covers the processes and technology used to develop, design, manufacture and exploit integrated electronic functions on silicon, in packages and on boards. This degree program is designed for sufficient flexibility to permit the student to select a combination of courses in a technical concentration, integrated electronic systems and supporting area to meet individual career goals. The program provides hands-on laboratory experience in integrated circuit device fabrication and manufacturing in a setting that emulates the real industry. The required research provides students with an opportunity to develop special research and application skills directly related to individual needs and objectives in the field of microelectronics.

Research activity:

Research activities in the Department of Electronic Systems, include circuit applications and digital design. Research is conducted in the areas of microelectronics/integrated electronic systems, including design, device processing/fabrication, silicon device in packages and on boards and exploit integrated electronics functions in various applications. The research activities in the alternative energy technologies field, include exploration of the demands of energy resources in the new economy and use of energy sources such as solar, wind, ocean, geothermal and biomass. MSTech degree candidates will find a broad range of research topics that can lead to an applied project or thesis.

Program Requirements:

Thesis Option:

Concentration (15-16)

Supporting Area (8-9)

Research Methods Courses:

EET 500 Research/Writing (2)

EET 591 Graduate Seminar (1)

EET 592 Research (3)

EET 599 Thesis (3)

Total minimum semester hours: 33

A minimum of 20 semester hours must be 500-level courses. At least nine hours of 500-level course work must be included in the technical concentration. Students may take up to nine semester hours of 400-level course work to broaden their technical knowledge within the concentration or supporting area. Students are required to complete three hours of EET 592 Research and three hours of EET 599 Thesis, write a thesis and make an oral defense. All course work applied toward the minimum 33 semester-hour total must be at the 400- and 500-level.

Nonthesis Option

Concentration (15-18)

Supporting Area (9-12)

Research Methods Courses:

EET 500 Research/Writing (2)

EET 591 Graduate Seminar (1)

EET 593 Project (3)

Total minimum semester hours: 33

Admission Requirements: Prerequisites: Applicants are required to have an earned baccalaureate degree that includes a minimum of 30 semester hours or equivalent in a technology area including course work applicable to the concentration being sought, and a minimum of 16 semester hours of mathematics and science. Depending upon the background of the student, the following information is necessary:

1. an application form,
2. application fee,
3. official transcripts from every college and university previously attended,
4. test score reports (TOEFL report may be necessary for international students). NOTE: The GRE is not required by the Department of Electronic Systems,
5. domicile affidavit (for applicants claiming Arizona residency), and
6. a financial guarantee form (required for international students). Visit the Graduate College Web site for more information.

Electronic Systems Engineering Technology (MSTech) TSSYMSTECH

COLLEGE OF TECHNOLOGY AND INNOVATION, POLY

Contact: <http://www.poly.asu.edu/technology/esd> | esd@asu.edu | Technology Center 101 | 480/727-1514 | 0180

Official Degree Awarded: Technology (Electronic Systems Engineering Technology) (MSTech)

Program Description: The Master of Science in Technology degree program promotes greater depth of understanding in electronics and its applications at a system level. A minimum of 33 semester hours of graduate credit is required for degree completion. The program is designed for sufficient flexibility to permit the student to select a combination of courses in a technical concentration and supporting area to meet individual career goals. The required research provides students with an opportunity to develop special research and application skills directly related to individual needs and objectives. The Department of Electronic Systems provides students with a concentration in electronic systems engineering technology.

Program Requirements: The degree requirements for the Master of Science in Technology degree with a concentration in electronic systems engineering technology offered by the Department of Electronic Systems include:

Thesis Option:

Concentration (15-16)

Supporting Area (8-9)

Research Methods Courses:

EET 500 Research/Writing (2)

EET 591 Graduate Seminar (1)

EET 592 Research (3)

EET 599 Thesis (3)

Total minimum semester hours: 33

At least nine hours of 500-level course work must be included in the technical concentration. Students may take up to nine semester hours of 400-level course work to broaden their technical knowledge within the concentration or supporting area. Students are required to complete three hours of EET 592 Research and three hours of EET 599 Thesis, write a thesis and make an oral defense.

Nonthesis Option:

Concentration (15-18)

Supporting Area (9-12)

Research Methods Courses:

EET 500 Research/Writing (2)

EET 591 Graduate Seminar (1)

EET 593 Applied Project (3)

Total minimum semester hours: 33

At least nine hours of 500-level course work must be included in the technical concentration. At least nine hours of 500-level course work must be included in the technical concentration. A maximum of three semester hours of EET 593 Applied Project may be applied toward the 20 semester-hour, 500-level minimum. Additional background deficiency hours may be required. All course work outside the Department of Electronic Systems must be pre-approved by the department chair.

Final Examination: A final oral comprehensive examination is required. Any candidate who fails in that examination may, upon recommendation of the committee and approval of the Dean of the Graduate College, be granted a second examination. The second examination is final. A final copy of the applied project report or thesis must be submitted before the candidate is eligible for this examination.

Program of Study

Course work: The student selects a concentration and supporting area, as well as a subset of courses from each area. Specifically, five to six courses are selected from the concentration area, and three or four are selected from the supporting area. Early in the program, the student identifies a major advisor, who is a faculty member of the department interested in the selected area of concentration. The student works with the major advisor to develop the program of study and subsequently to carry out the research component of the program.

Research: Each student, as a part of the degree program, is required to complete an applied project or thesis within the student's area of emphasis. The applied project includes a written report.

Research Activity: Research activities in the Department of Electronic Systems include systems, circuit applications and digital design. Research in microelectronics areas including device processing/fabrication, device packaging and reliability testing are explored utilizing the Microelectronics Teaching Factory clean-room facilities. Electronic systems and alternative energy technologies are also topics of research by department faculty and graduate students. Master of Science in Technology degree candidates will find a broad range of research that can lead to an applied project or thesis.

Admission Requirements: Prerequisites: Applicants are required to have an earned baccalaureate degree that includes a minimum of 30 semester hours or equivalent in a technology area including course work applicable to the concentration being sought, and a minimum of 16 semester hours of mathematics and science. Depending upon the background of the student, the following information is necessary:

1. an application form,
2. application fee,
3. official transcripts from every college and university previously attended,
4. test score reports (TOEFL report may be necessary for international students). NOTE: The GRE is not required by the Department of Electronic Systems,
5. domicile affidavit (for applicants claiming Arizona residency), and
6. a financial guarantee form (required for international students). Visit the Graduate College Web site for more information.

Admission to the Graduate College and the Department of Electronic Systems requires excellent attainments in prior university course work and academic experience equivalent to the bachelor's degree in the area of proposed study. Admission is based upon:

1. academic attainments in undergraduate course work, including junior/senior grade index, overall undergraduate grade index, and grade index in major courses;
2. academic preparation in the chosen field of study for the master's degree;
3. academic attainments in post bachelor course work, if appropriate; and
4. any other supporting information provided by the applicant, such as educational and career objectives, explanation of background or letters of reference.

Environmental Technology Management (Polytechnic Campus) (MSTech) TSMGMSTECH

COLLEGE OF TECHNOLOGY AND INNOVATION, ONLINE

Contact: <http://technology.poly.asu.edu/dtm> | hazel.caldera@asu.edu | Tech Center 102 | 4807271781 | 0180

Official Degree Awarded: Technology (Environmental Technology Management) (MSTech)

Program Description: The Master of Science in Technology (MSTech) degree with a concentration in environmental technology management provides three areas of study: Environmental management, emergency management and international environmental management. Classes are scheduled to minimize disruption of work schedules by meeting six times a semester on alternating Fridays and Saturdays. A Web-based distance learning format is also available.

Program Requirements: The MSTech degree with a concentration in environmental technology management is a 33 semester-hour degree program. A thesis or an applied project is required for this degree program. Concentration area course work includes 12 semester hours of core classes and 15 semester hours of approved electives in the following areas of study:

1. environmental management,
2. emergency management, and
3. international environmental management and sustainability.

Supporting course work includes the following areas of study:

- air pollution,
- soils and groundwater contamination;
- comprehensive emergency management;
- terrorism, WMD and current issues;
- international environmental management;
- international environmental law;
- environmental risk assessment;
- sustainability and sustainable development;
- environmental chemistry; and
- principles of hazardous materials/waste.

Admission Requirements: Admission to the MSTech degree program requires the completion of all general admissions requirements and procedures set forth by the Graduate College. The College of Technology and Innovation also requires an appropriate baccalaureate degree from an accredited college or university, with a minimum of 30 semester hours in technology or its equivalent and 16 semester hours of science and mathematics appropriate to the program pursued.

Admission to the graduate degree program presupposes an adequate technical preparation in a selected technology at the undergraduate level. Deficiencies for admission to the graduate degree program, if any, are specified at the time of admission. The applicant's past work and professional experience are also evaluated and taken into consideration when determining admission classification. To be considered for regular admission, a 3.00 GPA is required. Applicants should submit a letter of application and a current resume to the Department of Technology Management for review by the graduate faculty in the technical concentration.

Fire Service Administration (MSTech) TSFSMSTECH

COLLEGE OF TECHNOLOGY AND INNOVATION, ONLINE

Contact: <http://technology.poly.asu.edu/dtm/> | Tech Center 102 | 4807271781 | 0180

Official Degree Awarded: Technology (Fire Service Administration) (MSTech)

Program Description: The faculty in the Department of Technology Management offers the Master of Science in Technology degree with a concentration in fire service administration. The concentration is the advanced study of fire administration and leadership concepts. Students learn concepts and develop skills needed to be effective fire administrators. This program is designed to build a bridge between grounded theory and applied practice. Students completing this program are able to perform the functions of a fire chief in any size public sector fire department, administer fire related programs in the private sector, and conduct meaningful research applicable to fire service programs.

Program Requirements: The Master of Science in Technology program requires 33 semester hours of course work. The technical concentration is a 21-semester-hour program, of which five courses and an applied research project are required of all students. Students select classes from a list of technical courses or related support electives to complete the balance of the 33 required semester hours. Related areas of support cannot exceed six semester hours. A Web-based distance learning format is also available.

Admission Requirements: Admission to the MS in Technology degree program requires the completion of all general admission requirements and procedures set forth by the Graduate College. The College of Technology and Innovation also requires an appropriate baccalaureate degree from an accredited college or university, with a minimum of 30 semester hours in technology or equivalent and 16 hours of science and mathematics course work appropriate to the program pursued.

Graduate work presupposes an adequate technical preparation in a selected technology at the undergraduate level. Deficiencies for admission to the graduate program, if any, are specified at the time of admission. The applicant's past work and professional experience is also evaluated and taken into consideration when determining admission classification.

To be considered for regular admission, a 3.00 GPA is required.

Applicants should submit a letter of application and a current resume to the Department of Technology Management for review by the graduate faculty in the technical concentration.

Global Technology and Development (MSTech) TSGTMSTECH

COLLEGE OF TECHNOLOGY AND INNOVATION, POLY

Contact: <http://technology.poly.asu.edu/dtm/> | hazel.caldera@asu.edu | Technology Center 102 | 480/727-1781 | 0180

Official Degree Awarded: Technology (Global Technology and Development) (MSTech)

Program Description: The Master of Science in Technology degree program with a concentration in global technology and development is designed to integrate diverse areas of technical expertise and various academic disciplines with an awareness and understanding of how technology, processes of globalization and society influence one another.

The global technology and development (GTD) concentration provides students with a comprehensive understanding of systems of technology, how they interface and their role in global economic, political and social development and change. The GTD concentration integrates the study of economic, social and political development with technology course work to explore issues critical to 21st century globalization and the role and impact of technological innovations on societies around the world. Students completing the GTD concentration gain knowledge and skills to become technology interpreters and are prepared for careers in technology-related public policy, government service, international development and international management.

Program Requirements: A minimum of 33 semester hours are required for the Master of Science in Technology degree with a concentration in global technology and development. Thesis and nonthesis options are available. At least 24 semester hours must be 500-level courses. A maximum of nine semester hours of course work at the 400-level can be included in the program of study.

Admission Requirements: Students interested in applying to this degree program must submit the Graduate College on-line application. Students applying to the global technology and development concentration must have:

1. an appropriate baccalaureate degree from an accredited college or university;
2. a combination of course work in the social sciences and technology/science; and

3. some element of international or intercultural knowledge, which could be fluency in a foreign language, academic course work, or having resided in another country.

Graphic Information Technology (MSTech) TSGIMSTECH

COLLEGE OF TECHNOLOGY AND INNOVATION, ONLINE

Contact: <http://technology.poly.asu.edu/dtm/> | thomas.schildgen@asu.edu | Tech Center 102 | 4807271781 | 0180

Official Degree Awarded: Technology (Graphic Information Technology) (MSTech)

Program Description: The Master of Science in Technology degree with a concentration in graphic information technology provides students with the opportunity to study within the various areas of graphics. The areas include traditional and digital printing and publishing, multimedia, 3-D modeling, Web development, digital photography and animation. The courses offered in this degree program provide students with a working knowledge of the different facets of the graphic information industry with a focus on graphic communication. This is not a traditional information technology, computer science, computer information systems or management information systems program. The degree program is offered either as an on-campus or Web-based distance learning format.

Program Requirements: All candidates for the Master of Science in Technology degree program are required to complete a minimum of 33 semester hours of graduate course work. Of these, a minimum of 18 semester hours must be 500-level courses and part of the approved program. Additional courses may be assigned by the faculty Supervisory Committee depending on the background of the candidate. The minimum degree requirements are as follows:

Thesis Option

Technical area of emphasis (18)

Supporting area (6)

Research course (3)

Research (6)

Total minimum semester hours: 33

Applied Project Option

Technical area of emphasis (18)

Supporting area (9)

Research course (3)

Research (3)

Total minimum semester hours: 33

A maximum of nine semester hours of appropriate graduate course work completed before admission may be included in the program of study for the degree program. Most graduate degree students in this program elect to do an applied project rather than a thesis. The applied project generally allows the student to thoroughly explore a graphic problem and demonstrate knowledge of the problem, solutions for the problem and suggestions for further explanation of the problem.

Admission Requirements: Admission to the Master of Science in Technology degree program requires the completion of all general admissions requirements and procedures set forth by the Graduate College. The College of Technology and Innovation also requires an appropriate baccalaureate degree from an accredited college or university, with a minimum of 30 semester hours in technology or its equivalent and 16 semester hours of science and mathematics appropriate to the program pursued.

Admission to the graduate degree program presupposes an adequate technical preparation in a selected technology at the undergraduate level. Deficiencies for admission to the graduate degree program, if any, are specified at the time of admission. The applicant's past work and professional experience are also evaluated and taken into consideration when determining

admission classification. To be considered for regular admission, a 3.00 GPA is required. Applicants should submit a letter of application and a current resume to the Department of Technology Management for review by the graduate faculty in the technical concentration.

Instrumentation and Measurement Technology (MSTech) TSINMSTECH

COLLEGE OF TECHNOLOGY AND INNOVATION, POLY

Contact: <http://www.poly.asu.edu/technology/esd/> | esd@asu.edu | Technology Center 101 | 480/727-1514 | 0180

Official Degree Awarded: Technology (Instrumentation and Measurement Technology) (MSTech)

Program Description: At the graduate level, the Department of Electronic Systems and the Department of Mechanical and Manufacturing Engineering Technology jointly offer a Master of Science in Technology (MSTech) degree with a concentration in instrumentation and measurement engineering technology.

This flexible degree program permits the student to develop a program of study, with faculty approval, to meet individual career goals. While the program is not an evening program, some courses are offered either during the late afternoon or early evening.

The program presupposes that the student has a sound technical undergraduate degree. The degree concentrations are designed to provide graduates with technical and professional skills that will facilitate preparation for, and advancement in, leadership positions in industry, education, government and military. Laboratories and classrooms are well equipped, and the faculty members teaching the classes have relevant teaching, research, industry and training experience and background.

Program Requirements: There are two basic options in the MSTech degree program: Thesis and applied project. Both options require the completion of 33 semester hours. All course work applied toward the minimum 33 semester hour total must be at the 400-level or higher with a grade of "B" or higher. An oral defense of the written applied or research project (thesis) is required as the final examination in either option. This defense is typically done during the last semester of study. All course work outside the Departments of Mechanical and Manufacturing Engineering Technology or Electronic Systems must be pre-approved and on the program of study.

Thesis Option

In the thesis option, a minimum of 24 semester hours must be 500-level courses, allowing students to take up to nine semester hours of 400-level course work to broaden their technical knowledge within the technical concentration or the supporting area. The course work may be a combination of manufacturing, mechanical or aeronautical engineering technology courses or a limited number from outside the department. Students are required to first complete EET or MET 592 Research (3), then EET or MET 599 Thesis (3), write a thesis and present an oral defense.

Thesis Option Course Work Requirements:

Technical concentration area (18)

Supporting area (6)

Research methods courses:

MET or EET 591 Research Seminar (1) and a research writing course (2)

MET or EET 599 Thesis (6)

Total minimum semester hours: 33

Applied Project Option

In the applied project option, a minimum of 24 semester hours must be 500-level courses, allowing students to take up to nine semester hours of 400-level course work to broaden their technical knowledge within the technical concentration or the supporting area. The course work may be a combination of manufacturing, mechanical or aeronautical engineering technology

courses or a limited number from outside the department. The applied project requires a supporting report; the project and report are defended in a final oral examination.

Applied Project Option Course work Requirements:

Technical concentration area (18)

Supporting area (9)

Research methods courses:

MET or EET 591 Research Seminar (1) and a research writing course (2)

MET or EET 593 Applied Project (3)

Total minimum semester hours: 33

Admission Requirements: Applicants are expected to satisfy all requirements for admission to the Graduate College. In addition to the materials required by the Graduate College, applicants are required to provide a resume and statement of purpose to the department.

Recommendation letters are not required but up to two letters will be considered. Letters of recommendation may be helpful during the admission process if the candidate's qualifications are atypical or the letters provide information not typically addressed in the required admission materials listed above. Letters of recommendation should be sent directly to the department. For more information, please contact the department or the Graduate College.

Industrial experience beyond completion of a baccalaureate degree is recommended. Applicants with deficiencies in critical undergraduate technical subjects or those not meeting program prerequisites may be required to complete them before being admitted to the degree program.

Applicants who hold a bachelor's degree from a regionally-accredited U.S. institution do not need to take the GRE. Applicants holding a bachelor's degree from outside the U.S. should take the GRE. If English is not the applicant's native language, the TOEFL exam is required.

Management of Technology (MSTech) TSMRMSTECH

COLLEGE OF TECHNOLOGY AND INNOVATION, POLY

Contact: <http://technology.poly.asu.edu/dtm/> | hazel.caldera@asu.edu | Tech Center 102 | 4807271781 | 0180

Official Degree Awarded: Technology (Management of Technology) (MSTech)

Program Description: The purpose of the Master of Science in Technology (MSTech) degree with a concentration in management of technology is to prepare graduates of the program for leadership roles in technology-driven organizations, whether private or public, and to improve the leadership skills of technically proficient professionals. Students are prepared to successfully transition into leadership positions in their field of expertise and to move into a general leadership role outside their area of technical expertise as their career grows.

This degree program is open to individuals with a technical undergraduate degree who wish to develop their leadership/management skills to complement their technical expertise. The course schedule is tailored to the needs of the student while ensuring that basic leadership and management skills are acquired.

Program Requirements: For the MSTech degree, it is expected that graduates of the program possess skills in research and the ability to apply these research skills in practice. To achieve this goal each student is required to complete OMT 549 Research Techniques and either TMC 593 Applied Project or TMC 599 Thesis.

Additionally, each student is required to select four courses (12 semester hours) from the following list:

OMT 503 Marketing Management

OMT 504 Law and Ethics for Technical Professionals

OMT 540 International Management

OMT 548 Statistical Methods for Research
OMT 550 Industrial Training and Development
OMT 552 Global Management Philosophies
OMT 592 Research (1-3)
TMC 584 Internship (1-3)
OMT 598 ST: Forecasting and Evolution of Technology
OMT 598 ST: Simulation of Operations
OMT 598 ST: Advanced Quality Topics
OMT 598 ST: Advanced Operations Topics

Graduate courses from other majors may be selected with approval from the student's graduate advisory committee. These additional courses are selected to support the student's individual career goals and perceived needs. If selecting the thesis option, courses are chosen to support the student's research topic and research methods. To ensure that all courses taken will fit into the plan of study, all students are expected to discuss their tentative plan with their program advisor prior to registering for their first class, and must have an approved plan of study on file by the completion of nine semester hours toward the degree. Students without a statistics course at the undergraduate level will be required to complete an appropriate course during their first semester in the program. This course will be in addition to the other requirements for the degree. Additional courses may be required to fulfill deficiencies, based on a review of the applicant's transcripts. Please contact the department for more information.

Admission Requirements: The admission requirements include:

1. bachelor's degree or the equivalent from a regionally accredited institution,
2. equivalent to a "B" (3.00) average for the undergraduate program of study (in the last 60 semester hours or 90 quarter hours of undergraduate course work. If an applicant does not meet the minimum GPA, their application may still be considered although the degree program office may require additional supporting documents.), and
3. international applicants must meet the previous qualifications, plus have a valid minimum TOEFL score of 550 on the paper test or a score of 213 on the computer-based TOEFL. For more information on the TOEFL, go to www.asu.edu/graduate/international.html.

The College of Science and Technology admission requirements include:

1. an appropriate baccalaureate degree from an accredited college or university, with a minimum of 30 semester hours in technology or its equivalent and 16 semester hours of science and mathematics appropriate to the program pursued;
2. a 3.00 GPA is required for regular admission; and
3. a letter of application and a current resume.

Industrial experience beyond completion of a baccalaureate degree is strongly recommended. Graduate work presupposes an adequate technical preparation in a selected technology at the undergraduate level. Deficiencies for admission to the graduate program, if any, are specified at the time of admission. The applicant's past work and professional experience are also evaluated and taken into consideration when determining admission classification.

Manufacturing Engineering Technology (MSTech) TSMFMSTECH

COLLEGE OF TECHNOLOGY AND INNOVATION, POLY

Contact: <http://poly.asu.edu/technology/mmet> | MMet@asu.edu | SIM 294 | 480/727-1584 | 0180

Official Degree Awarded: Technology (Manufacturing Engineering Technology) (MSTech)

Program Description: At the graduate level, the Department of Mechanical and Manufacturing Engineering Technology offers a Master of Science in Technology (MSTech) degree with a concentration in manufacturing engineering technology. MSTech students can select a technical concentration of manufacturing processes, management or computerization.

This flexible program permits the student to develop a program of study, with faculty approval, to meet individual career goals. While the program is not an evening program, many courses are offered either during the late afternoon or early evening.

The program presupposes that the student has a sound technical undergraduate degree, but not necessarily in manufacturing engineering. The degree concentration is designed to provide graduates with technical and professional skills that will facilitate preparation for, and advancement in, leadership positions in industry, education, government and military. Laboratories and classrooms are well equipped, and the faculty members teaching the classes have relevant teaching, research, industry and training experience and background.

Program Requirements: There are two basic options in the Master of Science in Technology degree program with a concentration in manufacturing engineering technology: Thesis and applied project. Both options require the completion of 33 semester hours. All course work applied toward the minimum 33 semester-hour total must be at the 400-level or higher with a grade of "B" or higher. An oral defense of the written applied or research project (thesis) is required as the final examination in either option. This defense is typically done during the last semester of study. All course work outside the Department of Mechanical and Manufacturing Engineering Technology must be pre-approved and on the program of study.

Thesis Option

In the thesis option, a minimum of 24 semester hours must be 500-level courses, allowing students to take up to nine semester hours of 400-level course work to broaden their technical knowledge within the technical concentration or a supporting area. The course work may be a combination of manufacturing, mechanical or aeronautical engineering technology courses or a limited number from outside the department. Students are required to complete six semester hours of MET 599 Thesis, write a thesis and present an oral defense.

Thesis Option Course Work Requirements:

Technical concentration area (18)

Supporting area (6)

Research methods courses:

MET 591 Research Seminar (1) and a research writing course (2)

MET 599 Thesis (6)

Total minimum semester hours: 33

Applied Project Option

In the applied project option, a minimum of 24 semester hours must be 500-level courses, allowing students to take up to nine semester hours of 400-level course work to broaden their technical knowledge within the technical concentration or a supporting area. The course work may be a combination of manufacturing, mechanical or aeronautical engineering technology courses or a limited number from outside the department. The applied project requires a supporting report; the project and report are defended in a final oral examination.

Applied Project Option Course Work Requirements:

Technical concentration area (18)

Supporting area (9)

Research methods courses:

MET 591 Research Seminar (1) and a research writing course (2)

MET 593 Applied Project (3)

Total minimum semester hours: 33

Admission Requirements: Applicants are expected to satisfy all requirements for admission to the Graduate College. In addition to the materials required by the Graduate College, applicants are required to provide a resume and statement of purpose to the department.

Recommendation letters are not required but up to two letters will be considered. Letters of recommendation may be helpful during the admission process if the candidate's qualifications are atypical or the letters provide information not typically addressed in the required admission materials listed above. Letters of recommendation should be sent directly to the department. For more information, please contact the department or the Graduate College.

Industrial experience beyond completion of a baccalaureate degree is recommended. Applicants with deficiencies in critical undergraduate technical subjects or those not meeting program prerequisites may be required to complete them before being admitted to the degree program.

Applicants who hold a bachelor's degree from a regionally-accredited U.S. institution are not required to take the GRE. Applicants holding a bachelor's degree from outside the U.S. should take the GRE. If English is not the applicant's native language, the TOEFL exam is required.

Mechanical Engineering Technology (MSTech) TSMHMSTECH

COLLEGE OF TECHNOLOGY AND INNOVATION, POLY

Contact: <http://poly.asu.edu/technology/mmet> | MMet@asu.edu | SIM 294 | 480/727-1584 | 0180

Official Degree Awarded: Technology (Mechanical Engineering Technology) (MSTech)

Program Description: At the graduate level, the Department of Mechanical and Manufacturing Engineering Technology offers a Master of Science in Technology (MSTech) degree with a concentration in mechanical engineering technology.

This flexible degree program permits the student to develop a program of study, with faculty approval, to meet individual career goals. While the program is not an evening program, many courses are offered either during the late afternoon or early evening.

The program presupposes that the student has a sound technical undergraduate degree, but not necessarily in mechanical engineering. The degree concentration is designed to provide graduates with technical and professional skills that will facilitate preparation for, and advancement in, leadership positions in industry, education, government and military. Laboratories and classrooms are well equipped, and the faculty members teaching the classes have relevant teaching, research, industry and training experience and background.

Research Activity

Department faculty are engaged in both theoretical and applied research projects, involving undergraduate and graduate students in mechanical-related topic areas. Graduate students employed in local industry are encouraged to develop research topics that address problems of interest to their employers.

Current research interests of the faculty include modeling and simulation, "smart" materials, composite materials, hydrogen power and fuel cells and other alternative energy sources, optimization of turbine engines, machinability and manufacturing processes, manufacturing and program management, manufacturing cost economics, automation and design and mechanics education.

Applied research projects are carried out in a number of well-equipped laboratories and facilities: computer-aided design and computer-aided manufacturing laboratory, CNC-machining center laboratory, composite materials laboratory, energy conversion and combustion laboratory, automation laboratory, welding and casting laboratory, materials inspection and metrology laboratory and metallurgy/materials testing laboratory.

For more information on research areas and laboratories, please access the Department of Mechanical and Manufacturing Engineering Technology Web site.

Program Requirements: There are two basic options in the Master of Science in Technology degree program with a concentration in mechanical engineering technology: Thesis and applied project. Both options require the completion of 33 semester hours. All course work applied toward the minimum 33 semester hour total must be at the 400-level or higher with a grade of "B" or higher. An oral defense of the written applied or research project (thesis) is required as the final examination in either option. This defense is typically done during the last semester of study. All course work outside the Department of Mechanical and Manufacturing Engineering Technology must be pre-approved and on the program of study.

Thesis Option

In the thesis option, a minimum of 24 semester hours must be 500-level courses, allowing students to take up to nine semester hours of 400-level course work to broaden their technical knowledge within the technical concentration or the supporting area. The course work may be a combination of manufacturing, mechanical or aeronautical engineering technology courses or a limited number from outside the department. Students are required to complete six semester hours of MET 599 Thesis, write a thesis and present an oral defense.

Thesis Option Course Work Requirements:

Technical concentration area (18)

Supporting area (6)

Research methods courses:

MET 591 Research Seminar (1) and a research writing course (2)

MET 599 Thesis (6)

Total minimum semester hours: 33

Applied Project Option

In the applied project option, a minimum of 24 semester hours must be 500-level courses, allowing students to take up to nine semester hours of 400-level course work to broaden their technical knowledge within the technical concentration or the supporting area. The course work may be a combination of manufacturing, mechanical or aeronautical engineering technology courses or a limited number from outside the department. The applied project requires a supporting report; the project and report are defended in a final oral examination.

Applied Project Option Course Work Requirements:

Technical concentration area (18)

Supporting area (9)

Research methods courses:

MET 591 Research Seminar (1) and a research writing course (2)

MET 593 Applied Project (3)

Total minimum semester hours: 33

Admission Requirements: Applicants are expected to satisfy all requirements for admission to the Graduate College. In addition to the materials required by the Graduate College, applicants are required to provide a resume and statement of purpose to the department.

Recommendation letters are not required but up to two letters will be considered. Letters of recommendation may be helpful during the admission process if the candidate's qualifications are atypical or the letters provide information not typically addressed in the required admission materials listed above. Letters of recommendation should be sent directly to the department. For more information, please contact the department or the Graduate College.

Industrial experience beyond completion of a baccalaureate degree is recommended. Applicants with deficiencies in critical undergraduate technical subjects or those not meeting program prerequisites may be required to complete them before being admitted to the degree program.

Applicants who hold a bachelor's degree from a regionally-accredited U.S. institution do not need to take the GRE. Applicants holding a bachelor's degree from outside the U.S. should take the GRE. If English is not the applicant's native language, the TOEFL exam is required.